

Ivã;n de JesÃºs Salgado

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Active Disturbance Rejection Controller for a Flexible Walking Bioinspired Inchworm Mobile Robot Actuated With Shape Memory Alloy Devices. IEEE Transactions on Control Systems Technology, 2022, 30, 1790-1797.	3.2	5
2	Stable learning laws design for long short-term memory identifier for uncertain discrete systems via control Lyapunov functions. Neurocomputing, 2022, 491, 144-159.	3.5	1
3	Lyapunov stable learning laws for multilayer recurrent neural networks. Neurocomputing, 2022, 491, 644-657.	3.5	4
4	Brain Computer Interface for Speech Synthesis Based on Multilayer Differential Neural Networks. Cybernetics and Systems, 2022, 53, 126-140.	1.6	1
5	Output feedback robust control for teleoperated manipulator robots with different workspace. Expert Systems With Applications, 2022, 206, 117838.	4.4	5
6	Adaptive sliding-mode controller of a lower limb mobile exoskeleton for active rehabilitation. ISA Transactions, 2021, 109, 218-228.	3.1	21
7	Robust output-based controller design for enlarging the region of attraction of input saturated linear systems. Asian Journal of Control, 2021, 23, 178-189.	1.9	2
8	Discrete event-driven control of an active orthosis regulated by electromyographic signals for Canis lupus familiaris. Intelligent Service Robotics, 2021, 14, 485-499.	1.6	0
9	Robust observer-based controller design for state constrained uncertain systems: attractive ellipsoid method. International Journal of Control, 2020, 93, 1397-1407.	1.2	6
10	Enhanced Naproxen Elimination in Water by Catalytic Ozonation Based on NiO Films. Catalysts, 2020, 10, 884.	1.6	5
11	Robust control for state constrained systems based on composite barrier Lyapunov functions. International Journal of Robust and Nonlinear Control, 2020, 30, 7238-7254.	2.1	5
12	Event driven sliding mode control of a lower limb exoskeleton based on a continuous neural network electromyographic signal classifier. Mechatronics, 2020, 72, 102451.	2.0	11
13	Hybrid State Constraint Adaptive Disturbance Rejection Controller for a Mobile Worm Bio-Inspired Robot. Mathematical and Computational Applications, 2020, 25, 13.	0.7	8
14	Terminal Sliding-Mode Control of Virtual Humanoid Robot with Joint Restrictions Walking on stepping objects. Cybernetics and Systems, 2020, 51, 402-425.	1.6	4
15	Robust Gradient Estimator for Unknown Frequency Estimation in Noisy Environment: Application to Grid-Synchronization. IEEE Access, 2020, 8, 70693-70702.	2.6	15
16	Prototype of a Surgical Robot with Contact Force Feedback. IFMBE Proceedings, 2020, , 993-1001.	0.2	0
17	Fast Estimation of Phase and Frequency for Single-Phase Grid Signal. IEEE Transactions on Industrial Electronics, 2019, 66, 6408-6411.	5.2	45
18	Hybrid position-admittance realization of an adaptive output super-twisting controller for a robotic scalpel. Control Engineering Practice, 2019, 93, 104161.	3.2	5

#	ARTICLE	IF	CITATIONS
19	Terminal sliding mode control of a virtual humanoid robot. , 2019, , .		3
20	Robust Synchronization of Master Slave Chaotic Systems: A Continuous Sliding-Mode Control Approach With Experimental Study. , 2019, , 261-275.		1
21	Hybrid position/force output feedback second-order sliding mode control for a prototype of an active orthosis used in back-assisted mobilization. Medical and Biological Engineering and Computing, 2019, 57, 1843-1860.	1.6	7
22	Robust identification of unknown inputs in electrical stimulation of ex-vivo animal models. Biomedical Signal Processing and Control, 2019, 52, 103-110.	3.5	1
23	Adaptive sliding-mode observer for second order discrete-time MIMO nonlinear systems based on recurrent neural-networks. International Journal of Machine Learning and Cybernetics, 2019, 10, 2851-2866.	2.3	9
24	Robust synchronization of master-slave chaotic systems using approximate model: An experimental study. ISA Transactions, 2018, 73, 141-146.	3.1	19
25	Robust control of linear systems under input saturation using Barrier Lyapunov functions. International Journal of Dynamics and Control, 2018, 6, 1231-1238.	1.5	5
26	Adaptive Unknown Input Estimation by Sliding Modes and Differential Neural Network Observer. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3499-3509.	7.2	8
27	Differential neural networks observer for second order systems with sampled and quantized output. IFAC-PapersOnLine, 2018, 51, 490-495.	0.5	10
28	Adaptive Proportional Derivative Controller of Cooperative Manipulators. IFAC-PapersOnLine, 2018, 51, 232-237.	0.5	7
29	Suboptimal adaptive control of dynamic systems with state constraints based on Barrier Lyapunov functions. IET Control Theory and Applications, 2018, 12, 1116-1124.	1.2	11
30	Adaptive control of discrete-time nonlinear systems by recurrent neural networks in quasi-sliding mode like regime. International Journal of Adaptive Control and Signal Processing, 2017, 31, 83-96.	2.3	5
31	Quasi-minimal active disturbance rejection control of MIMO perturbed linear systems based on differential neural networks and the attractive ellipsoid method. ISA Transactions, 2017, 71, 304-316.	3.1	2
32	Two-layer dynamic neural field learning law basec on controlled Lyapunov functions. , 2017, , .		0
33	Active disturbance rejection control based on differential neural networks. , 2017, , .		1
34	Output feedback control of a skid-steered mobile robot based on the super-twisting algorithm. Control Engineering Practice, 2017, 58, 193-203.	3.2	29
35	Robust Control for State Constrained Uncertain Systems: Attractive Ellipsoid Method Approach. IFAC-PapersOnLine, 2016, 49, 19-23.	0.5	4
36	Control of discrete time systems based on recurrent Super-Twisting-like algorithm. ISA Transactions, 2016, 64, 47-55.	3.1	45

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37	Adaptive identifier for uncertain complex-valued discrete-time nonlinear systems based on recurrent neural networks. <i>Neural Processing Letters</i> , 2016, 43, 133-153.	2.0	4
38	Assisted Rehabilitation by Robotic Orthosis of Spinal Cord and Back Injuries. <i>IFMBE Proceedings</i> , 2015, , 242-245.	0.2	1
39	Discrete-time nonlinear state observer based on a super twisting-like algorithm. <i>IET Control Theory and Applications</i> , 2014, 8, 803-812.	1.2	35
40	Proportional derivative fuzzy control supplied with second order sliding mode differentiation. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 35, 84-94.	4.3	20
41	Super-twisting sliding mode differentiation for improving PD controllers performance of second order systems. <i>ISA Transactions</i> , 2014, 53, 1096-1106.	3.1	26
42	Nonlinear discrete time neural network observer. <i>Neurocomputing</i> , 2013, 101, 73-81.	3.5	17
43	Adaptive control of discrete-time nonlinear systems by recurrent neural networks in a Quasi Sliding mode regime. , 2013, , .		0
44	PD Controller Based on Second Order Sliding Mode Differentiation. , 2012, , .		1
45	Discrete time super-twisting observer for 2n dimensional systems. , 2011, , .		2
46	Generalized Super-Twisting Observer for Nonlinear Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 14353-14358.	0.4	15
47	Design of mixed Luenberger and sliding continuous mode observer using sampled output information. , 2010, , .		3
48	Discrete time recurrent neural network sliding mode observer. , 2010, , .		0
49	Design of variable gain super-twisting observer for nonlinear systems with sampled output. , 2010, , .		2
50	Sampled output based continuous second order sliding mode observer. , 2010, , .		7
51	Discrete time recurrent neural network observer. , 2009, , .		9