Danilo Chavez Garcia

List of Publications by Year
in descending order

		1307594	1125743
63 papers	**304** citations	**7** h-index	**13** g-index
63 all docs	**63** docs citations	**63** times ranked	**216** citing authors

#	Article	IF	Citations
1	Using Multilayer Fuzzy Cognitive Maps to diagnose Autism Spectrum Disorder. Applied Soft Computing Journal, 2019, 75, 58-71.	7.2	47
2	Recognition of the Driving Style in Vehicle Drivers. Sensors, 2020, 20, 2597.	3.8	23
3	Dynamical sliding mode control for nonlinear systems with variable delay. , 2017, , .		22
4	P+d Plus Sliding Mode Control for Bilateral Teleoperation of a Mobile Robot. International Journal of Control, Automation and Systems, 2018, 16, 1927-1937.	2.7	19
5	Towards a Fuzzy Cognitive Map for Opinion Mining. Procedia Computer Science, 2017, 108, 2522-2526.	2.0	13
6	Metropolis: Emergence in a Serious Game to Enhance the Participation in Smart City Urban Planning. Journal of the Knowledge Economy, 2021, 12, 1594-1617.	4.4	12
7	LAMDA-HAD, an Extension to the LAMDA Classifier in the Context of Supervised Learning. International Journal of Information Technology and Decision Making, 2020, 19, 283-316.	3.9	11
8	PSO Tuning for Fuzzy PD + I Controller Applied to a Mobile Robot Trajectory Control. , 2018, , .		10
9	Comparison of control schemes for path tracking of mobile manipulators. International Journal of Modelling, Identification and Control, 2017, 28, 86.	0.2	9
10	Design and Implementation of a Driving Assistance System in a Car-like Robot When Fatigue in the User is Detected. IEEE Latin America Transactions, 2016, 14, 457-462.	1.6	8
11	Modeling and control of nonlinear systems using an Adaptive LAMDA approach. Applied Soft Computing Journal, 2020, 95, 106571.	7.2	8
12	A dynamical discontinuous control approach for inverse response chemical processes. , 2017, , .		7
13	PD + I Fuzzy Controller optimized by PSO applied to a variable dead time process. , 2018, , .		7
14	Multispectral NDVI aerial image system for vegetation analysis by using a consumer camera. , 2014, , .		6
15	A Blended Sliding Mode Control with Linear Quadratic Integral Control based on Reduced Order Model for a VTOL System. , 2017, , .		6
16	Trajectory tracking for quadcopter's formation with two control strategies. , 2016, , .		5
17	Adaptive sliding mode control based on fuzzy logic for variable dead time processes. , 2017, , .		5
18	Tuning Parameters Optimization Approach for Dynamical Sliding Mode Controllers. IFAC-PapersOnLine, 2018, 51, 656-661.	0.9	5

#	Article	IF	Citations
19	MQTT Protocol of IoT for Real Time Bilateral Teleoperation Applied to Car-Like Mobile Robot. , 2018, , .		5
20	A recursive patterns matching model for the dynamic pattern recognition problem. Applied Artificial Intelligence, 2018, 32, 419-432.	3.2	5
21	An Intelligent Controller based on LAMDA. , 2019, , .		5
22	Different Intelligent Approaches for Modeling the Style of Car Driving. , 2017, , .		5
23	Collaborater for a Car-Like Vehicle Driven by a User with Visual Inattention. Asian Journal of Control, 2013, 15, 177-192.	3.0	4
24	Dynamic obstacle avoidance based on null-space for quadcopter's formation. , 2017, , .		4
25	Sliding-Mode control based on a model reference applied to a non-linear ball and plate system with time delay. , 2017, , .		4
26	A Comparative Analysis of Sliding Mode Controllers Based on Internal Model for a Nonminimum Phase Buck and Boost Converter. , 2019, , .		4
27	A Modified Smith Predictor For Processes with Variable Delay. , 2019, , .		4
28	Application of Nonlinear PID Controllers to Bioreactor Processes. , 2019, , .		4
29	Anti-Windup Algorithms for Sliding Mode Control in Processes with Variable Dead-Time. , 2020, , .		4
30	Sliding Mode Control Based on Internal Model for a Non-minimum phase Buck and Boost Converter. Enfoqute, 2019, 10, 41-53.	0.4	3
31	A sliding mode control approach for patients with type 1 diabetes. , 2017, , .		2
32	Social set points definition based on trajectory for control systems in smart classrooms. , 2017, , .		2
33	Decentralized control versus a Fuzzy supervisory control: A comparison in a Quadruple-Tank Process. , 2018, , .		2
34	Consensus Algorithms for Bidirectional Teleoperation of Aerial Manipulator Robots in an Environment with Obstacles. , 2019, , .		2
35	Inverse Response Systems Identification using Genetic Programming. , 2017, , .		2
36	A Sliding-Mode Controller from a Reduced System Model: Ball and Plate System Experimental Application. , 2017, , .		2

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37	MetrÃ³polis: un juego serio emergente en una ciudad inteligente. DYNA (Colombia), 2019, 86, 215-224.	0.4	2
38	Sliding Mode Controller Based on a Hybrid Surface for Tracking Improvement of Non-Linear Processes. IFAC-PapersOnLine, 2020, 53, 11747-11752.	0.9	2
39	MODELING THE INATTENTION OF A HUMAN DRIVING A CAR. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 7-12.	0.4	1
40	Two-wheeled inverted pendulum path planning: An experimental validation. , 2016, , .		1
41	A Dynamic Recognition Approach of Emotional States for Car Drivers. Communications in Computer and Information Science, 2016, , 155-168.	0.5	1
42	Proposal of an architecture for emergent control. , 2017, , .		1
43	A parameter tuning approach of the Sliding Mode Control for a Quadcopter based on Genetic Algorithms. , 2018, , .		1
44	A Comparison of Fuzzy Moving Sliding Mode Control Against Sliding Mode Control for Chemical Process with Variable Delay. , 2018, , .		1
45	Controller Based on Null Space and Sliding Mode (NSB-SMC) for Bidirectional Teleoperation of Mobile Robots Formation in an Environment with Obstacles. , 2019, , .		1
46	Comparison between PID-Fuzzy and Numerical Methods Based on Linear Algebra Controllers for Glucose Control in Type 1 Diabetes Treatment. , 2019, , .		1
47	Application of Particle Swarm optimization for Tuning a Dynamic Sliding Mode Control for System With Inverse Response.. , 2019, , .		1
48	Path Planning for Mobile Robots Applied in the Distribution of Materials in an Industrial Environment. Advances in Intelligent Systems and Computing, 2021, , 323-337.	0.6	1
49	Universityâ€"Industry Collaboration Barriers: Project Management Solutions for Defense R&Dâ€"A Case Study. Smart Innovation, Systems and Technologies, 2020, , 431-441.	0.6	1
50	An architecture to analyse aviation incidents. Contemporary Engineering Sciences, 0, 10, 463-473.	0.2	1
51	A Control Techniques Comparison for Trajectory Tracking for a Robotics Platform With Time Delay. , 2021, , .		1
52	Adaptive Nonlinear MPC for Efficient Trajectory Tracking Applied to Autonomous Mining Skid-Steer Mobile Robots. , 2020, , .		1
53	Design and implementation of a driving assistance system in a car like robot when fatigue in the user is detected. , 2014, , .		0
54	Notice of Removal Low cost embedded vision system for location and tracking of a color object. , 2017, , .		0

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55	ReM-AM: Reflective middleware for acoustic management in intelligent environments. , 2017, , .		0
56	Tracking trajectory for an autonomous underwater vehicle: A nonlinear controllers comparison under maritime disturbances. , 2017, , .		0
57	Material Distribution with Mobile Robots in an Industrial Environment: System design and simulation. IFAC-PapersOnLine, 2018, 51, 650-655.	0.9	0
58	Linear System Identifier Computational Tool Based on Emerging Bioinspired Systems. , 2019, , .		0
59	Fuzzy Control of Temperature on SACI Based on the Emotion Recognition. Advances in Intelligent Systems and Computing, 2021, , 94-106.	0.6	0
60	Comparison of control schemes for path tracking of mobile manipulators. International Journal of Modelling, Identification and Control, 2017, 28, 86.	0.2	0
61	An Evolutionary Intelligent Approach for the LTI Systems Identification in Continuous Time. Communications in Computer and Information Science, 2019, , 430-445.	0.5	0
62	Fuzzy adaptive MPC for nonlinear time varying delayed systems. , 2020, , .		0
63	Implementation of Recognition System of People and Computers in a Classroom Through Artificial Vision. Advances in Intelligent Systems and Computing, 2021, , 107-120.	0.6	0