

JosÃ© Fermi Guerrero-Castellanos

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sliding Mode Control Based on Linear Extended State Observer for DC-to-DC Buck-Boost Power Converter System With Mismatched Disturbances. IEEE Transactions on Industry Applications, 2022, 58, 940-950.	3.3	21
2	SPICE synthesis of a solar cell model with irradiance and temperature evaluation. International Journal of Circuit Theory and Applications, 2022, 50, 3071-3085.	1.3	1
3	A Cooperative ADRC-Based Approach for Angular Velocity Synchronization and Load-Sharing in Servomechanisms. Energies, 2022, 15, 5121.	1.6	1
4	Contraction-Based Nonlinear Controller for a Laser Beam Stabilization System Using a Variable Gain. , 2021, 5, 761-766.		3
5	Bounded Attitude Control with Active Disturbance Rejection Capabilities for Multirotor UAVs. Applied Sciences (Switzerland), 2021, 11, 5960.	1.3	5
6	Sistema de control de posici3n mediante rechazo activo de perturbaciones para sistemas 3pticos l3ser. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 19, 61-73.	0.6	1
7	Periodic Event-Triggered Control strategy for a (3,0) mobile robot network. ISA Transactions, 2020, 96, 490-500.	3.1	22
8	Periodic Event-Triggered Control for the Stabilization of Robotic Manipulators. IEEE Access, 2020, 8, 111553-111565.	2.6	5
9	Fractional Order PI-Based Control Applied to the Traction System of an Electric Vehicle (EV). Applied Sciences (Switzerland), 2020, 10, 364.	1.3	15
10	FPGA Implementation of Passivity-Based Control and Output Load Algebraic Estimation for Transformerless Multilevel Active Rectifier. IEEE Transactions on Industrial Informatics, 2019, 15, 1877-1889.	7.2	10
11	A simple sliding-mode control circuit for buck DC-DC converters. , 2019, , .		3
12	Leader-Following Consensus and Formation Control of VTOL-UAVs with Event-Triggered Communications. Sensors, 2019, 19, 5498.	2.1	22
13	Biomimetic-Based Output Feedback for Attitude Stabilization of Rigid Bodies: Real-Time Experimentation on a Quadrotor. Micromachines, 2015, 6, 993-1022.	1.4	0
14	Event-based digital PID control. , 2015, , .		3
15	Stabilization of a (3,0) mobile robot by means of an event-triggered control. ISA Transactions, 2015, 58, 605-613.	3.1	18
16	Event-based control for embedded and networked system application to a mini quadrotor helicopter using motion capture. , 2014, , .		9
17	Event-triggered observer-based output-feedback stabilization of linear system with communication delays in the measurements. , 2014, , .		6
18	Self-triggered control for the stabilization of linear systems. , 2012, , .		3