

# JosÃ© Fermi Guerrero-Castellanos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9211222/publications.pdf>

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18  
papers

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docs citations

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161  
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#	ARTICLE	IF	CITATIONS
1	Leader-Following Consensus and Formation Control of VTOL-UAVs with Event-Triggered Communications. <i>Sensors</i> , 2019, 19, 5498.	2.1	22
2	Periodic Event-Triggered Control strategy for a (3,0) mobile robot network. <i>ISA Transactions</i> , 2020, 96, 490-500.	3.1	22
3	Sliding Mode Control Based on Linear Extended State Observer for DC-to-DC Buck-Boost Power Converter System With Mismatched Disturbances. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 940-950.	3.3	21
4	Stabilization of a (3,0) mobile robot by means of an event-triggered control. <i>ISA Transactions</i> , 2015, 58, 605-613.	3.1	18
5	Fractional Order PI-Based Control Applied to the Traction System of an Electric Vehicle (EV). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 364.	1.3	15
6	FPGA Implementation of Passivity-Based Control and Output Load Algebraic Estimation for Transformerless Multilevel Active Rectifier. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1877-1889.	7.2	10
7	Event-based control for embedded and networked system application to a mini quadrotor helicopter using motion capture. , 2014, , .		9
8	Event-triggered observer-based output-feedback stabilization of linear system with communication delays in the measurements. , 2014, , .		6
9	Periodic Event-Triggered Control for the Stabilization of Robotic Manipulators. <i>IEEE Access</i> , 2020, 8, 111553-111565.	2.6	5
10	Bounded Attitude Control with Active Disturbance Rejection Capabilities for Multirotor UAVs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5960.	1.3	5
11	Self-triggered control for the stabilization of linear systems. , 2012, , .		3
12	Event-based digital PID control. , 2015, , .		3
13	A simple sliding-mode control circuit for buck DC-DC converters. , 2019, , .		3
14	Contraction-Based Nonlinear Controller for a Laser Beam Stabilization System Using a Variable Gain. , 2021, 5, 761-766.		3
15	Sistema de control de posición mediante rechazo activo de perturbaciones para sistemas ópticos láser. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2021, 19, 61-73.	0.6	1
16	SPICE synthesis of a solar cell model with irradiance and temperature evaluation. <i>International Journal of Circuit Theory and Applications</i> , 2022, 50, 3071-3085.	1.3	1
17	A Cooperative ADRC-Based Approach for Angular Velocity Synchronization and Load-Sharing in Servomechanisms. <i>Energies</i> , 2022, 15, 5121.	1.6	1
18	Biomimetic-Based Output Feedback for Attitude Stabilization of Rigid Bodies: Real-Time Experimentation on a Quadrotor. <i>Micromachines</i> , 2015, 6, 993-1022.	1.4	0