

Gerardo V Guerrero-Ramírez

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

453
citations

1040056

9
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized robust control of mechanical systems. IEEE Transactions on Automatic Control, 2000, 45, 771-776.	5.7	110
2	Triple pendulum model involving fractional derivatives with different kernels. Chaos, Solitons and Fractals, 2016, 91, 248-261.	5.1	60
3	Sensor fault detection and isolation via high-gain observers: Application to a double-pipe heat exchanger. ISA Transactions, 2011, 50, 480-486.	5.7	48
4	On the trajectory tracking control for an SCARA robot manipulator in a fractional model driven by induction motors with PSO tuning. Multibody System Dynamics, 2018, 43, 257-277.	2.7	47
5	Observer-based monitoring of heat exchangers. ISA Transactions, 2008, 47, 15-24.	5.7	46
6	Master-Slave Synchronization of Robot Manipulators Driven by Induction Motors. IEEE Latin America Transactions, 2016, 14, 3986-3991.	1.6	30
7	Fractional dynamics of charged particles in magnetic fields. International Journal of Modern Physics C, 2016, 27, 1650084.	1.7	24
8	DC Motor Speed Control through Parallel DC/DC Buck Converters. IEEE Latin America Transactions, 2017, 15, 819-826.	1.6	13
9	Motion control of rigid robots driven by current-fed induction motors. Mechatronics, 2001, 11, 13-25.	3.3	10
10	Bounded neuro-control position regulation for a geared DC motor. Engineering Applications of Artificial Intelligence, 2010, 23, 1398-1407.	8.1	10
11	Robust Formation Control Based on Leader-Following Consensus in Multi-Agent Systems With Faults in the Information Exchange: Application in a Fleet of Unmanned Aerial Vehicles. IEEE Access, 2021, 9, 104940-104949.	4.2	9
12	Adaptive nonlinear control of induction motor. International Journal of Control, Automation and Systems, 2011, 9, 176-186.	2.7	8
13	Resonant switched capacitor voltage multiplier with interleaving capability. Electric Power Systems Research, 2016, 133, 365-372.	3.6	8
14	Grey-box model identification of temperature dynamics in a photobioreactor. Chemical Engineering Research and Design, 2017, 121, 125-133.	5.6	7
15	Interleaved high-gain boost converter with low input-current ripple for fuel cell electric vehicle applications. , 2013, , .		6
16	FPGA-based active disturbance rejection control and maximum power point tracking for a photovoltaic system. International Transactions on Electrical Energy Systems, 2020, 30, e12398.	1.9	5
17	Monitoring and Control Interface Based on Virtual Sensors. Sensors, 2014, 14, 20645-20666.	3.8	3
18	Dynamic modeling and simulation of the human cardiovascular system with PDA. Biomedical Signal Processing and Control, 2022, 71, 103151.	5.7	2

#	ARTICLE	IF	CITATIONS
19	Voltage balancing in an interleaved high gain boost converter. , 2014, , .		0
20	Robust Nonlinear Control of AC Brushless Motor for Electric Vehicles Application. Journal of Power Electronics, 2011, 11, 430-438.	1.5	0