

MartÃ-n R Licea

List of Publications by Year in descending order

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39
papers

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citations

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40
all docs

40
docs citations

40
times ranked

209
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Path Planning for Autonomous Vehicles Based on the Natural Behavior of the Biological Action-Perception Motion. <i>Energies</i> , 2022, 15, 1769.	1.6	8
2	Power Losses Models for Magnetic Cores: A Review. <i>Micromachines</i> , 2022, 13, 418.	1.4	22
3	An Overview on Fault Management for Electric Vehicle Onboard Chargers. <i>Electronics (Switzerland)</i> , 2022, 11, 1107.	1.8	4
4	Mathematical Modeling to Estimate Photosynthesis: A State of the Art. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5537.	1.3	4
5	An Overview on Electric-Stress Degradation Empirical Models for Electrochemical Devices in Smart Grids. <i>Energies</i> , 2021, 14, 2117.	1.6	0
6	A Comparison of Integrated Filtering and Prediction Methods for Smart Grids. <i>Energies</i> , 2021, 14, 1980.	1.6	4
7	Nonlinear Stabilization Controller for the Boost Converter with a Constant Power Load in Both Continuous and Discontinuous Conduction Modes. <i>Micromachines</i> , 2021, 12, 522.	1.4	3
8	Non-Integer Order Approximation of a PID-Type Controller for Boost Converters. <i>Energies</i> , 2021, 14, 3153.	1.6	5
9	Fractional-Order Approximation of PID Controller for Buck-Boost Converters. <i>Micromachines</i> , 2021, 12, 591.	1.4	11
10	Study on Multiple Input Asymmetric Boost Converters with Simultaneous and Sequential Triggering. <i>Electronics (Switzerland)</i> , 2021, 10, 1421.	1.8	3
11	On the Tripped Rollovers and Lateral Skid in Three-Wheeled Vehicles and Their Mitigation. <i>Vehicles</i> , 2021, 3, 357-376.	1.7	2
12	GPS Data Correction Based on Fuzzy Logic for Tracking Land Vehicles. <i>Mathematics</i> , 2021, 9, 2818.	1.1	6
13	Design and Implementation of a Germicidal UVC-LED Lamp. <i>IEEE Access</i> , 2020, 8, 196951-196962.	2.6	19
14	Average and Ripple Output-Voltages in Paralleled Boost Converters with Sequential and Simultaneous Triggering. , 2020, , .		1
15	Advanced Ferromagnetic Materials in Power Electronic Converters: A State of the Art. <i>IEEE Access</i> , 2020, 8, 56238-56252.	2.6	16
16	Fractional-Order Approximation and Synthesis of a PID Controller for a Buck Converter. <i>Energies</i> , 2020, 13, 629.	1.6	20
17	Fault Tolerant Boost Converter with Multiple Serial Inputs and Output Voltage Regulation for Vehicle-to-Aid Services. <i>Energies</i> , 2020, 13, 1694.	1.6	5
18	Harvesting in electric vehicles: combining multiple power tracking and fuel-cells. <i>International Journal of Electrical and Computer Engineering</i> , 2020, 10, 5058.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Comparative Analysis of Multivariable Deep Learning Models for Forecasting in Smart Grids. , 2020, , .		1
20	On the n-Dimensional Phase Portraits. Applied Sciences (Switzerland), 2019, 9, 872.	1.3	8
21	Path Planning for an Autonomous Electric Vehicle based on Attractors Dynamics and Differential Evolution. , 2019, , .		0
22	Hexagonal Geometry Coil for a WPT High-Power Fast Charging Application. IEEE Transactions on Transportation Electrification, 2019, 5, 946-956.	5.3	28
23	Noninvasive Vehicle-to-Load Energy Management Strategy to Prevent Li-Ion Batteries Premature Degradation. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	5
24	Multipoint Power Quality Monitoring System. , 2018, , .		0
25	The Rollover Risk and its Mitigation in Rickshaws. , 2018, , .		1
26	The Rollover Risk in Delta Tricycles: A New Rollover Index and Its Robust Mitigation by Rear Differential Braking. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	8
27	Robust Stabilization of Linear Switched Systems with Unstable Subsystems. Applied Sciences (Switzerland), 2018, 8, 2620.	1.3	3
28	Switched Polytopic Controller Applied on a Positive Reconfigurable Power Electronic Converter. Energies, 2018, 11, 116.	1.6	3
29	A Reconfigurable Buck, Boost, and Buck-Boost Converter: Unified Model and Robust Controller. Mathematical Problems in Engineering, 2018, 2018, 1-8.	0.6	9
30	Nonlinear Robust Control for Low Voltage Direct-Current Residential Microgrids with Constant Power Loads. Energies, 2018, 11, 1130.	1.6	15
31	An Approach to Mitigate the Lateral Skid for Wheeled Vehicles. IEEE Latin America Transactions, 2018, 16, 1306-1313.	1.2	1
32	Robust indirect-defined envelope control for rollover and lateral skid prevention. Control Engineering Practice, 2017, 61, 149-162.	3.2	16
33	Obstacle detection system fuzzy controller applied to an electric three-wheeled vehicle. , 2017, , .		0
34	Online switched model identification platform for an electric tricycle. , 2017, , .		1
35	Test-bed to implement energy management strategies in PHEV. , 2016, , .		1
36	Hardware-in-the-loop test bed of FCHEVs for energy control purposes. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Robust Switched Predictive Braking Control for Rollover Prevention in Wheeled Vehicles. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	5
38	On the predictive rollover detection in wheeled vehicles. , 2012, , .		2
39	Comparación Numérica de Núcleos de Nanocristal y Ferrita para Convertidores Electrónicos de Alta Frecuencia y Baja Potencia. ECORFAN Journal Bolivia, 0, , 24-31.	0.0	0