

# MartÃ-n R Licea

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8223998/publications.pdf>

Version: 2024-02-01

39  
papers

246  
citations

1162889

8  
h-index

1058333

14  
g-index

40  
all docs

40  
docs citations

40  
times ranked

209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexagonal Geometry Coil for a WPT High-Power Fast Charging Application. IEEE Transactions on Transportation Electrification, 2019, 5, 946-956.	5.3	28
2	Power Losses Models for Magnetic Cores: A Review. Micromachines, 2022, 13, 418.	1.4	22
3	Fractional-Order Approximation and Synthesis of a PID Controller for a Buck Converter. Energies, 2020, 13, 629.	1.6	20
4	Design and Implementation of a Germicidal UVC-LED Lamp. IEEE Access, 2020, 8, 196951-196962.	2.6	19
5	Robust indirect-defined envelope control for rollover and lateral skid prevention. Control Engineering Practice, 2017, 61, 149-162.	3.2	16
6	Advanced Ferromagnetic Materials in Power Electronic Converters: A State of the Art. IEEE Access, 2020, 8, 56238-56252.	2.6	16
7	Nonlinear Robust Control for Low Voltage Direct-Current Residential Microgrids with Constant Power Loads. Energies, 2018, 11, 1130.	1.6	15
8	Fractional-Order Approximation of PID Controller for Buck-Boost Converters. Micromachines, 2021, 12, 591.	1.4	11
9	A Reconfigurable Buck, Boost, and Buck-Boost Converter: Unified Model and Robust Controller. Mathematical Problems in Engineering, 2018, 2018, 1-8.	0.6	9
10	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
11	On the n-Dimensional Phase Portraits. Applied Sciences (Switzerland), 2019, 9, 872.	1.3	8
12	Local Path Planning for Autonomous Vehicles Based on the Natural Behavior of the Biological Action-Perception Motion. Energies, 2022, 15, 1769.	1.6	8
13	GPS Data Correction Based on Fuzzy Logic for Tracking Land Vehicles. Mathematics, 2021, 9, 2818.	1.1	6
14	Robust Switched Predictive Braking Control for Rollover Prevention in Wheeled Vehicles. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	5
15	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
16	Fault Tolerant Boost Converter with Multiple Serial Inputs and Output Voltage Regulation for Vehicle-to-Aid Services. Energies, 2020, 13, 1694.	1.6	5
17	Non-Integer Order Approximation of a PID-Type Controller for Boost Converters. Energies, 2021, 14, 3153.	1.6	5
18	A Comparison of Integrated Filtering and Prediction Methods for Smart Grids. Energies, 2021, 14, 1980.	1.6	4

#	ARTICLE	IF	CITATIONS
19	An Overview on Fault Management for Electric Vehicle Onboard Chargers. Electronics (Switzerland), 2022, 11, 1107.	1.8	4
20	Mathematical Modeling to Estimate Photosynthesis: A State of the Art. Applied Sciences (Switzerland), 2022, 12, 5537.	1.3	4
21	Robust Stabilization of Linear Switched Systems with Unstable Subsystems. Applied Sciences (Switzerland), 2018, 8, 2620.	1.3	3
22	Switched Polytopic Controller Applied on a Positive Reconfigurable Power Electronic Converter. Energies, 2018, 11, 116.	1.6	3
23	Nonlinear Stabilization Controller for the Boost Converter with a Constant Power Load in Both Continuous and Discontinuous Conduction Modes. Micromachines, 2021, 12, 522.	1.4	3
24	Study on Multiple Input Asymmetric Boost Converters with Simultaneous and Sequential Triggering. Electronics (Switzerland), 2021, 10, 1421.	1.8	3
25	On the predictive rollover detection in wheeled vehicles. , 2012, , .		2
26	Hardware-in-the-loop test bed of FCHEVs for energy control purposes. , 2016, , .		2
27	On the Tripped Rollovers and Lateral Skid in Three-Wheeled Vehicles and Their Mitigation. Vehicles, 2021, 3, 357-376.	1.7	2
28	Test-bed to implement energy management strategies in PHEV. , 2016, , .		1
29	Online switched model identification platform for an electric tricycle. , 2017, , .		1
30	The Rollover Risk and its Mitigation in Rickshaws. , 2018, , .		1
31	An Approach to Mitigate the Lateral Skid for Wheeled Vehicles. IEEE Latin America Transactions, 2018, 16, 1306-1313.	1.2	1
32	Average and Ripple Output-Voltages in Paralleled Boost Converters with Sequential and Simultaneous Triggering. , 2020, , .		1
33	Harvesting in electric vehicles: combining multiple power tracking and fuel-cells. International Journal of Electrical and Computer Engineering, 2020, 10, 5058.	0.5	1
34	Comparative Analysis of Multivariable Deep Learning Models for Forecasting in Smart Grids. , 2020, , .		1
35	Obstacle detection system fuzzy controller applied to an electric three-wheeled vehicle. , 2017, , .		0
36	Multipoint Power Quality Monitoring System. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Path Planning for an Autonomous Electric Vehicle based on Attractors Dynamics and Differential Evolution. , 2019, , .		0
38	An Overview on Electric-Stress Degradation Empirical Models for Electrochemical Devices in Smart Grids. Energies, 2021, 14, 2117.	1.6	0
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