

Ciro Nunez

List of Publications by Year in descending order

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44
papers

442
citations

1039880

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45
docs citations

45
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust sigmaâ€“delta generalised proportional integral observer based control of a â€“buckâ€“™ converter with uncertain loads. International Journal of Control, 2010, 83, 1631-1640.	1.2	63
2	An advanced energy management system for controlling the ultracapacitor discharge and improving the electric vehicle range. Journal of Power Sources, 2015, 284, 452-458.	4.0	57
3	A Robust Nonlinear Control Scheme for a Sag Compensator Active Multilevel Rectifier Without Sag Detection Algorithm. IEEE Transactions on Power Electronics, 2012, 27, 3576-3583.	5.4	46
4	Avoiding a Voltage Sag Detection Stage for a Single-Phase Multilevel Rectifier by Using Control Theory Considering Physical Limitations of the System. IEEE Transactions on Power Electronics, 2013, 28, 5244-5251.	5.4	42
5	Single-Phase AC-AC Converter Operating as a Dynamic Voltage Restorer (DVR). Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	38
6	A Comprehensive Design Approach of Power Electronic-Based Distributed Generation Units Focused on Power-Quality Improvement. IEEE Transactions on Power Delivery, 2017, 32, 942-950.	2.9	25
7	Harmonic Issues Assessment on PWM VSC-Based Controlled Microgrids Using Newton Methods. IEEE Transactions on Smart Grid, 2018, 9, 1002-1011.	6.2	20
8	A hybrid multilevel inverter for shunt active filter using space-vector control. , 0, , .		17
9	Voltage disturbances and unbalance compensation by the use of a 3-phase series active filter. , 0, , .		14
10	Analysis and evaluation of control techniques for active power filters: sliding mode control and proportional-integral control. , 1999, , .		11
11	Switching rule for a bidirectional DC/DC converter in an electric vehicle. Control Engineering Practice, 2019, 82, 108-117.	3.2	11
12	A novel algorithm for voltage transient detection and isolation for power quality monitoring. Electric Power Systems Research, 2014, 114, 110-117.	2.1	9
13	Control for Three-Phase LCL-Filter PWM Rectifier with BESS-Oriented Application. Energies, 2019, 12, 4093.	1.6	7
14	A Control Strategy to Improve Voltage Sag Ride-Through in Single-Phase Multilevel Active Rectifier. , 2006, , .		6
15	Step by step design procedure of an Independent-Wheeled Small EV applying EVLS. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	6
16	Active and reactive current decoupled control strategy applied to a single-phase BTB converter. , 2009, , .		6
17	Control system design for bi-directional power transfer in Single-Phase Back-to-Back converter based on the linear operating region. , 2010, , .		6
18	Electric Differential for Traction Applications. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
19	Power Management Strategies for a Fuel Cell/Supercapacitor Electric Vehicle. , 2007, , .		5
20	Feasibility assessment of the installation of a photovoltaic system as a battery charging center in a mexican mining company. , 2014, , .		5
21	Controllability of rectifiers and three point hysteresis line current control. Control Engineering Practice, 2016, 55, 212-225.	3.2	5
22	Battery Charger with Maximun Charge Tracking Current for PV Systems. , 2009, , .		4
23	Wind resource assessment in the surroundings of San Luis Potosi, Mexico. , 2013, , .		4
24	Transient Stability Enhancement Using a Wide-Area Controlled SVC: An HIL Validation Approach. Energies, 2018, 11, 1639.	1.6	4
25	Holistic Control Approach for the Grid-Connected Converter of a Battery Energy Storage System. IEEE Access, 2020, 8, 216844-216855.	2.6	4
26	A Novel Speed Control Approach in Parallel-Connected Induction Motor by using a single inverter and Electronic Virtual Line-Shafting. , 0, , .		3
27	An Optimal Selection of the References Generation Scheme for the DQ Theory to Compensate Unbalance, Reactive Power, Harmonic Distortion and Non Characteristic Harmonics. , 2006, , .		3
28	Effects of Bad Currents and Voltages Acquisition on Speed Estimation for Sensorless Drives. , 2006, , .		3
29	Analysis of the Boundaries to Compensate Voltage Sag Events Using a Single Phase Multi-Level Rectifier. EPE Journal (European Power Electronics and Drives Journal), 2010, 20, 5-11.	0.7	3
30	A Comprehensive Modeling of a Three-Phase Voltage Source PWM Converter. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	3
31	Comparison of two nonlinear speed observers for induction motors. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	2
32	Sliding Mode Observer-Based Control for a Series Active Filter. , 0, , .		1
33	Passivity-Based Control for a Single-Phase, Full Bridge, Active Rectifier. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	1
34	Observer Based Control for a Single Phase Active Rectifier. , 2007, , .		1
35	Nonlinear partial state feedback controller for a single phase active rectifier. , 2008, , .		1
36	Detection of Low Electrolyte Level for Vented Leadâ€“Acid Batteries Based on Electrical Measurements. Energies, 2019, 12, 4435.	1.6	1

#	ARTICLE	IF	CITATIONS
37	Control Improvement in Single-Phase Active Rectifier with Extended Functions. , 2006, , .		0
38	Analysis of the safety operation limits of a Single-Phase Active Multi-Level Rectifier with voltage sag ride-through capability. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
39	Losses analysis in power semiconductor devices of a Single-Phase Active Multi-level Rectifier with voltage sag ride-through capability. , 2008, , .		0
40	A solid state unbalance voltage compensator. , 2010, , .		0
41	Study of performance of power train topology for electric vehicle. , 2016, , .		0
42	A switching control strategy to tracking problem for a bidirectional DC/DC converter. , 2016, , .		0
43	A Single Nonlinear Current Control for PWM Rectifier Robust to Input Disturbances and Dynamic Loads. Mathematical Problems in Engineering, 2017, 2017, 1-8.	0.6	0
44	Controlled Three-Phase LCL- Filter PWM Rectifier with BESS-oriented Applications Under Unbalanced Grid Conditions. , 2020, , .		0