Diego PÃ©rez-EstÃ©vez

List of Publications by Year
in descending order

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22 papers	336 citations	1040056 9 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	423 citing authors

#	Article	IF	Citations
1	Grid Current Control for Active-Front-End Electric Propulsion Systems in AC Ship Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1370-1384.	5.4	0
2	Equivalence of the Integrator-Based and Disturbance-Observer-Based State-Space Current Controllers for Grid Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 4966-4976.	7.9	11
3	Discrete Fundamental AC Voltage Controller for Three-Phase Standalone Converters. Energies, 2021, 14, 650.	3.1	1
4	A Model Predictive Current Controller With Improved Robustness Against Measurement Noise and Plant Model Variations. IEEE Open Journal of Industry Applications, 2021, 2, 131-142.	6.5	10
5	Power Device Losses in Two-Level Converters with Direct Current Controllers for Grid Connected Applications. , 2021, , .		1
6	Impact of Linear-PWM and MPC controllers on the power device losses in a grid-tied two-level inverter. , 2021, , .		0
7	AC-Voltage Harmonic Control for Stand-Alone and Weak-Grid-Tied Converter. IEEE Transactions on Industry Applications, 2020, 56, 403-421.	4.9	13
8	Carrier-Based PWM Equivalent to Multilevel Multiphase Space Vector PWM Techniques. IEEE Transactions on Industrial Electronics, 2020, 67, 5220-5231.	7.9	37
9	A Finite-Control-Set Linear Current Controller With Fast Transient Response and Low Switching Frequency for Grid-Tied Inverters. IEEE Transactions on Industry Applications, 2020, 56, 6546-6564.	4.9	7
10	Grid-Tied Inverter With AC Voltage Sensorless Synchronization and Soft Start. IEEE Transactions on Industry Applications, 2019, 55, 4920-4933.	4.9	18
11	Linear Current Controller With Fast Transient Response and Low Switching Frequency. , 2019, , .		2
12	Grid Impedance Identification Using the VSC Switching Ripple. , 2019, , .		6
13	Enhanced Resonant Current Controller for Grid-Connected Converters With LCL Filter. IEEE Transactions on Power Electronics, 2018, 33, 3765-3778.	7.9	60
14	Generalized Multifrequency Current Controller for Grid-Connected Converters With LCL Filter. IEEE Transactions on Industry Applications, 2018, 54, 4537-4553.	4.9	48
15	AC Voltage Sensorless Method With Bumpless Start for Current-Controlled Converters Connected to Microgrids. , 2018, , .		2
16	Robust AC Voltage Controller with Harmonic Elimination for Stand-Alone and Weak-Grid-Connected Operation. , 2018, , .		3
17	Positive- and Negative-Sequence Current Controller With Direct Discrete-Time Pole Placement for Grid-Tied Converters With LCL Filter. IEEE Transactions on Power Electronics, 2017, 32, 7207-7221.	7.9	56
18	Multi-frequency current controller for grid-tied converters. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Improved resonant current controller for grid-tied converters. , 2017, , .		1
20	Positive- and negative-sequence current control based on direct discrete-time pole placement for grid-connected converters with LCL filter. , 2016, , .		1
21	Current harmonic compensation for n-phase machines with asymmetrical winding arrangement. , 2016, , .		3
22	Space-Vector PWM With Common-Mode Voltage Elimination for Multiphase Drives. IEEE Transactions on Power Electronics, 2016, 31, 8151-8161.	7.9	55