

Javier Pereda Torres

List of Publications by Year in descending order

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48
papers

955
citations

759233

12
h-index

642732

23
g-index

48
all docs

48
docs citations

48
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Frequency Link: A Solution for Using Only One DC Source in Asymmetric Cascaded Multilevel Inverters. IEEE Transactions on Industrial Electronics, 2011, 58, 3884-3892.	7.9	175
2	Asymmetrical Multilevel Inverter for Traction Drives Using Only One DC Supply. IEEE Transactions on Vehicular Technology, 2010, 59, 3736-3743.	6.3	140
3	Cascaded Multilevel Converters: Optimal Asymmetries and Floating Capacitor Control. IEEE Transactions on Industrial Electronics, 2013, 60, 4784-4793.	7.9	117
4	PWM Method to Eliminate Power Sources in a Nonredundant 27-Level Inverter for Machine Drive Applications. IEEE Transactions on Industrial Electronics, 2009, 56, 194-201.	7.9	94
5	23-Level Inverter for Electric Vehicles Using a Single Battery Pack and Series Active Filters. IEEE Transactions on Vehicular Technology, 2012, 61, 1043-1051.	6.3	74
6	Three-Port Full-Bridge Bidirectional Converter for Hybrid DC/DC/AC Systems. IEEE Transactions on Power Electronics, 2020, 35, 13077-13084.	7.9	51
7	Solid State Transformers: Concepts, Classification, and Control. Energies, 2020, 13, 2319.	3.1	45
8	Direct Modular Multilevel Converter With Six Branches for Flexible Distribution Networks. IEEE Transactions on Power Delivery, 2016, 31, 1728-1737.	4.3	36
9	Phase-Shifted Model Predictive Control to Achieve Power Balance of CHB Converters for Large-Scale Photovoltaic Integration. IEEE Transactions on Industrial Electronics, 2021, 68, 9619-9629.	7.9	19
10	A Design Methodology of Multiresonant Controllers for High Performance 400 Hz Ground Power Units. IEEE Transactions on Industrial Electronics, 2019, 66, 6549-6559.	7.9	16
11	Sequential Phase-Shifted Model Predictive Control for Modular Multilevel Converters. IEEE Transactions on Energy Conversion, 2021, 36, 2691-2702.	5.2	15
12	Large Step Ratio Input-Series“Output-Parallel Chain-Link DC“DC Converter. IEEE Transactions on Power Electronics, 2019, 34, 4125-4136.	7.9	14
13	Design of Electric Buses of Rapid Transit Using Hybrid Energy Storage and Local Traffic Parameters. IEEE Transactions on Vehicular Technology, 2017, 66, 5551-5563.	6.3	13
14	An Overview of Microgrids Challenges in the Mining Industry. IEEE Access, 2020, 8, 191378-191393.	4.2	12
15	Asymmetrical Triangular Current Mode (ATCM) for Bidirectional High Step Ratio Modular Multilevel Dc“Dc Converter. IEEE Transactions on Power Electronics, 2020, 35, 6906-6915.	7.9	11
16	Modular Multilevel Matrix Converter as Solid State Transformer for Medium and High Voltage AC Substations. IEEE Transactions on Power Delivery, 2022, 37, 5033-5043.	4.3	11
17	An Overview of Four-Leg Converters: Topologies, Modulations, Control and Applications. IEEE Access, 2022, 10, 61277-61325.	4.2	11
18	Optimal ZCS Modulation for Bidirectional High-Step-Ratio Modular Multilevel DC“DC Converter. IEEE Transactions on Power Electronics, 2021, 36, 12540-12550.	7.9	10

#	ARTICLE	IF	CITATIONS
19	Denoising and Voltage Estimation in Modular Multilevel Converters Using Deep Neural-Networks. IEEE Access, 2020, 8, 207973-207981.	4.2	10
20	Distributed Neural Network Observer for Submodule Capacitor Voltage Estimation in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2022, 37, 10306-10318.	7.9	9
21	Decoupled PI Controllers Based on Pulse-Frequency Modulation for Current Sharing in Multi-Phase LLC Resonant Converters. IEEE Access, 2021, 9, 15283-15294.	4.2	8
22	Circulating Current Suppression in DAB Assisted Low-Voltage Variable Frequency MMC. IEEE Transactions on Industry Applications, 2022, 58, 6322-6331.	4.9	8
23	Direct Torque Control for sensorless induction motor drives using an improved H-Bridge multilevel inverter. , 2009, , .		7
24	27-level converter for electric vehicles using only one power supply. , 2010, , .		6
25	Triangular Current Mode for High Step Ratio Modular Multilevel DC-DC Converter. , 2018, , .		6
26	Distributed Current Control of Cascaded Multilevel Inverters. , 2019, , .		5
27	Energy evaluation of different inverter topologies and modulations used on electrical vehicles. , 2015, , .		3
28	Optimal asymmetry for cascaded multilevel converter with cross-connected half-bridges. , 2015, , .		3
29	Consensus-Based Distributed Control of a Multilevel Battery Energy Storage System. , 2020, , .		3
30	Sequential Phase-Shifted Model Predictive Control for a Multilevel Converter with Integrated Battery Energy Storage. , 2020, , .		3
31	A Modified Multi-Winding DC-DC Flyback Converter for Photovoltaic Applications. Applied Sciences (Switzerland), 2021, 11, 11999.	2.5	3
32	Inductor design for a High performance DC-DC Modular Multilevel Converter. , 2019, , .		2
33	Dynamic DC-Link Voltage Control of Back to Back Modular Multilevel Converter for Drive Applications. , 2019, , .		2
34	Phase-shifted Pulse Width Modulation with alternate zeros voltage for parallel connection of H-Bridges for High-Current Low-Voltage applications. , 2019, , .		2
35	Three-Port Full-Bridge Cell for Multilevel Converters with Battery Energy Storage. , 2019, , .		2
36	A Novel Three-Port NPC Converter for Grid-Tied Photovoltaic Systems with Integrated Battery Energy Storage. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	Modelling and control of a multi-cell converter based on Input-Parallel Output-Parallel bridge-cells with discontinuous interleaved modulation. , 2021, , .		2
38	A Methodology to Obtain a Synthetic Driving Cycle through GPS Data for Energy Analysis. , 2015, , .		1
39	Hybrid control of cascaded h-bridge multilevel converters for multiple capacitor voltage balancing. , 2016, , .		1
40	New dual H-bridge converter for continuous space vector modulation. IET Power Electronics, 2019, 12, 1114-1120.	2.1	1
41	Wave Energy Conversion: Overview and Control of a Permanent Magnet Linear Generator. , 2019, , .		1
42	Capacitor Balance Control of a Modular Multilevel Converter Based on Parallel Connected Branches for a MVAC/LVDC Solid State Transformer. , 2021, , .		1
43	Cascaded converters for EVs with single power source and increased power quality. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 32, 182-191.	0.9	0
44	Novel continuous space vector modulation in cascaded multilevel converters. , 2014, , .		0
45	Grid Forming Operation for a High Step Ratio Modular Multilevel DC-DC Converter. , 2020, , .		0
46	A decoupled Nearest Level Control for a Modular Multilevel Cascade Converter based on Triple Star Bridge Cells (MMCC-TSBC). , 2021, , .		0
47	Back To Back Modular Multilevel Converter with Dynamic Hybrid Link For High Performance Drive. , 2021, , .		0
48	A Modular Solid State Transformer for Future Hybrid Distribution Networks. , 2021, , .		0