

Daniel Foito

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High Step-Up DC-DC Converter for Fuel Cell Vehicles Based on Merged Quadratic Boost-Boost Topology. IEEE Transactions on Vehicular Technology, 2019, 68, 7521-7530.	6.3	122
2	Quasi-Z-Source Inverter With a T-Type Converter in Normal and Failure Mode. IEEE Transactions on Power Electronics, 2016, 31, 7462-7470.	7.9	102
3	A DC-DC Converter With Quadratic Gain and Bidirectional Capability for Batteries/Supercapacitors. IEEE Transactions on Industry Applications, 2018, 54, 274-285.	4.9	75
4	A photovoltaic generator system with a DC/DC converter based on an integrated Boost-Boost topology. Solar Energy, 2016, 136, 1-9.	6.1	53
5	Fault-Tolerant Multilevel Topology Based on Three-Phase H-Bridge Inverters for Open-End Winding Induction Motor Drives. IEEE Transactions on Energy Conversion, 2017, 32, 895-902.	5.2	52
6	A single switch hybrid DC/DC converter with extended static gain for photovoltaic applications. Electric Power Systems Research, 2017, 146, 228-235.	3.6	39
7	Dual Output and High Voltage Gain DC-DC Converter for PV and Fuel Cell Generators Connected to DC Bipolar Microgrids. IEEE Access, 2021, 9, 157124-157133.	4.2	33
8	A Multilevel Fault-Tolerant Power Converter for a Switched Reluctance Machine Drive. IEEE Access, 2020, 8, 21917-21931.	4.2	29
9	Three-level quadratic boost DC-DC converter associated to a SRM drive for water pumping photovoltaic powered systems. Solar Energy, 2020, 209, 42-56.	6.1	25
10	A Review of the Power Converter Interfaces for Switched Reluctance Machines. Energies, 2020, 13, 3490.	3.1	23
11	A Speed Controller for a Two-Winding Induction Motor Based on Diametrical Inversion. IEEE Transactions on Industrial Electronics, 2010, 57, 449-456.	7.9	22
12	Three-phase qZ-source inverter with fault tolerant capability. IET Power Electronics, 2017, 10, 1852-1858.	2.1	22
13	Detection of stator winding fault in induction motors using a motor square current signature analysis (MSCSA). , 2015, , .		21
14	Combining local and remote laboratories for the interactive learning of industrial automation. Computer Applications in Engineering Education, 2018, 26, 675-687.	3.4	18
15	A STATCOM Based on a Three-Phase, Triple Inverter Modular Topology for Multilevel Operation. IEEE Transactions on Power Delivery, 2019, 34, 1988-1997.	4.3	16
16	PV power conditioning system using a three-phase multilevel pulse width modulation inverter employing cascaded Scott transformers. IET Power Electronics, 2019, 12, 102-111.	2.1	16
17	Control transition mode from voltage control to MPPT for PV generators in isolated DC microgrids. International Journal of Electrical Power and Energy Systems, 2022, 137, 107876.	5.5	14
18	Fault-Tolerant SRM Drive with a Diagnosis Method Based on the Entropy Feature Approach. Applied Sciences (Switzerland), 2020, 10, 3516.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Anti-slip wheel controller drive for EV using speed and torque observers. , 2008, , .		12
20	A Multilevel Converter Topology for a STATCOM System Based on Four-Leg Two-Level Inverters and Cascaded Scott Transformers. IEEE Transactions on Power Delivery, 2022, 37, 1391-1402.	4.3	11
21	A Single-Switch DC/DC Buck-Boost Converter with Extended Output Voltage. , 2018, , .		9
22	Fault-Tolerant Multilevel Converter to Feed a Switched Reluctance Machine. Machines, 2022, 10, 35.	2.2	9
23	Road motion control electric vehicle with speed and torque observer. , 2013, , .		6
24	PV Generator-Fed Water Pumping System Based on a SRM with a Multilevel Fault-Tolerant Converter. Energies, 2022, 15, 720.	3.1	6
25	Power electronics didactic modules for direct current machine control. , 2009, , .		5
26	Hybrid Sepic-Cuk DC-DC Converter Associated to a SRM Drive for a Solar PV Powered Water Pumping System. , 2019, , .		5
27	Compensation of Unbalanced Low-Voltage Grids Using a Photovoltaic Generation System with a Dual Four-Leg, Two-Level Inverter. Electronics (Switzerland), 2022, 11, 320.	3.1	5
28	Control of Bidirectional Quadratic DC-DC Converters for Storage Support of DC Power Grids. , 2018, , .		4
29	A Skewness Based Method for Diagnosis in Quasi-Z T-Type Grid-Connected Converters. , 2019, , .		4
30	A Sensorless PMDC Motor Speed Controller with a Logical Overcurrent Protection. Journal of Power Electronics, 2013, 13, 381-389.	1.5	4
31	A Microcontroller Sensorless Speed Control of a Direct Current Motor. , 2007, , .		3
32	A neuro-fuzzy based system for fault detection and diagnosis of 3-phase PFC rectifier. , 2014, , .		3
33	Multilevel power converter with a dual T-type three level inverter for energy storage. , 2014, , .		3
34	Double Three-phase Induction Machine Modeling for Internal Faults Simulation. Electric Power Components and Systems, 2015, 43, 1610-1620.	1.8	3
35	A DC-DC Converter for Bipolar DC Microgrids with Voltage Balance Capability to Supply a Multilevel SRM Drive. , 2021, , .		3
36	A phasor speed control of a single or two phase induction motor. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	Bidirectional DC-DC converter with high voltage gain for the charge/discharge control of storage systems. , 2016, , .		2
38	Differential line protection using dqo components for the communication channel. , 2017, , .		2
39	A Water Pumping Photovoltaic Powered System Based on a DC-DC Converter with Dual Output and Extended Voltage Gain. , 2019, , .		2
40	An 8/6 SRM Drive with a Multilevel Topology Based on a Cross-Switched Configuration. , 2020, , .		2
41	Fault-Tolerant Three-Phase Quasi-Switched Boost Inverter. , 2020, , .		2
42	Fault-Tolerant Three-Phase VSI Based on a Modified Impedance Source Boost Inverter. IEEE Transactions on Industry Applications, 2022, 58, 4859-4872.	4.9	2
43	Speed control of a single and two phase induction motors using the diametrical inversion. , 2008, , .		1
44	Conversion structure based on a dual T-type three-level inverter for grid connected photovoltaic applications. , 2014, , .		1
45	Fault Tolerant Operation of Three-Phase 3 Level T-Type qZS Inverters using Sliding Mode Current Controllers. , 2020, , .		1
46	Three-Level NPC Dual-Buck Inverter Designed to Safety-Critical Applications. , 2020, , .		1
47	Multilevel Converter with Fault-Tolerant Capability for the Switched Reluctance Machine. , 2021, , .		1
48	A Vector Voltage Modulator for a Dual Inverter with a Floating Bridge to Operate in Normal and Fault Tolerant Mode. , 2021, , .		1
49	Sliding Mode Vector Control of Grid-Connected PV Multilevel Systems Based on Triple Three-Phase Two-Level Inverters. , 2020, , .		1