Guillermo Oscar Garcia

List of Publications by Year
in descending order

25	1,287	516710	677142
papers	citations	16	22
		h-index	g-index

25	25	25	1051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Esquema tolerante a fallas de transistores del lado de carga aplicado a convertidores CC-CC con puentes duales activos trifÃ¡sicos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 186-198.	1.0	0
2	Open Transistors Fault-Tolerant Schemes of Three-Phase Dual Active Bridge DC-DC Converters. IEEE Latin America Transactions, 2021, 19, 385-395.	1.6	2
3	Digital Control of a Three-Phase Four-Leg Inverter to Feeds Non-Linear Loads. IEEE Latin America Transactions, 2021, 19, 780-789.	1.6	3
4	Isolated bidirectional DCâ€toâ€threeâ€phase AC converter for integration of renewable energy sources to electric grid. IET Power Electronics, 2019, 12, 2058-2068.	2.1	4
5	Discrete Time Control of Single Phase Inverters for UPS Applications Through a Synchronous Reference Frame. , 2018, , .		0
6	Multiple resonant controllers strategy to achieve fault rideâ€through and high performance output voltage in UPS applications. IET Power Electronics, 2018, 11, 2415-2426.	2.1	13
7	Analysis and design of classical controllers in discrete time to reduce output impedance in UPS's. , 2017, , .		1
8	Voltage unbalance and harmonic distortion effects on induction motor power, torque and vibrations. Electric Power Systems Research, 2016, 140, 866-873.	3.6	46
9	Design approach of discreteâ€time resonant controllers for uninterruptible power supply applications through frequency response analysis. IET Power Electronics, 2016, 9, 2871-2879.	2.1	22
10	Analysis of the Transformer Influence on a Three-Phase Dual Active Bridge DC-DC Converter. IEEE Latin America Transactions, 2016, 14, 3048-3055.	1.6	3
11	Isolated Buck/Boost Bidirectional DC-Three Phase Topology. IEEE Latin America Transactions, 2016, 14, 2669-2674.	1.6	5
12	Rotor demagnetization effects on permanent magnet synchronous machines. Energy Conversion and Management, 2013, 74, 1-8.	9.2	46
13	Adaptive Observer for Sensorless Control of Stand-Alone Doubly Fed Induction Generator. IEEE Transactions on Industrial Electronics, 2009, 56, 4174-4180.	7.9	96
14	Online Model-Based Stator-Fault Detection and Identification in Induction Motors. IEEE Transactions on Industrial Electronics, 2009, 56, 4671-4680.	7.9	131
15	Separating Broken Rotor Bars and Load Oscillations on IM Fault Diagnosis Through the Instantaneous Active and Reactive Currents. IEEE Transactions on Industrial Electronics, 2009, 56, 4571-4580.	7.9	81
16	Application of an Additional Excitation in Inverter-Fed Induction Motors for Air-Gap Eccentricity Diagnosis. IEEE Transactions on Energy Conversion, 2006, 21, 839-847.	5.2	31
17	Mechanical sensorless speed control of permanent-magnet AC motors driving an unknown load. IEEE Transactions on Industrial Electronics, 2006, 53, 406-414.	7.9	44
18	Optimization of power management in an hybrid electric vehicle using dynamic programming. Mathematics and Computers in Simulation, 2006, 73, 244-254.	4.4	280

#	Article	IF	Citations
19	Effects of Rotor Bar and End-Ring Faults Over the Signals of a Position Estimation Strategy for Induction Motors. IEEE Transactions on Industry Applications, 2005, 41, 1005-1012.	4.9	42
20	A Rotor Position and Speed Observer for Permanent-Magnet Motors With Nonsinusoidal EMF Waveform. IEEE Transactions on Industrial Electronics, 2005, 52, 807-813.	7.9	24
21	A 2-D Model of the Induction Machine: An Extension of the Modified Winding Function Approach. IEEE Transactions on Energy Conversion, 2004, 19, 144-150.	5.2	85
22	Induction generator controller based on the instantaneous reactive power theory. IEEE Transactions on Energy Conversion, 2002, 17, 368-373.	5.2	79
23	Field-oriented controlled induction generator with loss minimization. IEEE Transactions on Industrial Electronics, 2002, 49, 147-156.	7.9	75
24	Comparing the indirect field-oriented control with a scalar method. IEEE Transactions on Industrial Electronics, 1994, 41, 201-207.	7.9	18
25	An efficient controller for an adjustable speed induction motor drive. IEEE Transactions on Industrial Electronics, 1994, 41, 533-539.	7.9	156