

Guillermo Oscar Garcia

List of Publications by Year in descending order

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25
papers

1,287
citations

516710

16
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of power management in an hybrid electric vehicle using dynamic programming. Mathematics and Computers in Simulation, 2006, 73, 244-254.	4.4	280
2	An efficient controller for an adjustable speed induction motor drive. IEEE Transactions on Industrial Electronics, 1994, 41, 533-539.	7.9	156
3	Online Model-Based Stator-Fault Detection and Identification in Induction Motors. IEEE Transactions on Industrial Electronics, 2009, 56, 4671-4680.	7.9	131
4	Adaptive Observer for Sensorless Control of Stand-Alone Doubly Fed Induction Generator. IEEE Transactions on Industrial Electronics, 2009, 56, 4174-4180.	7.9	96
5	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
6	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
7	Induction generator controller based on the instantaneous reactive power theory. IEEE Transactions on Energy Conversion, 2002, 17, 368-373.	5.2	79
8	Field-oriented controlled induction generator with loss minimization. IEEE Transactions on Industrial Electronics, 2002, 49, 147-156.	7.9	75
9	Rotor demagnetization effects on permanent magnet synchronous machines. Energy Conversion and Management, 2013, 74, 1-8.	9.2	46
10	Voltage unbalance and harmonic distortion effects on induction motor power, torque and vibrations. Electric Power Systems Research, 2016, 140, 866-873.	3.6	46
11	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
12	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
13	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
14	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
15	Design approach of discrete-time resonant controllers for uninterruptible power supply applications through frequency response analysis. IET Power Electronics, 2016, 9, 2871-2879.	2.1	22
16	Comparing the indirect field-oriented control with a scalar method. IEEE Transactions on Industrial Electronics, 1994, 41, 201-207.	7.9	18
17	Multiple resonant controllers strategy to achieve fault ride-through and high performance output voltage in UPS applications. IET Power Electronics, 2018, 11, 2415-2426.	2.1	13
18	Isolated Buck/Boost Bidirectional DC-Three Phase Topology. IEEE Latin America Transactions, 2016, 14, 2669-2674.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Isolated bidirectional DC-to-three-phase AC converter for integration of renewable energy sources to electric grid. IET Power Electronics, 2019, 12, 2058-2068.	2.1	4
20	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
21	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
22	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
23	Analysis and design of classical controllers in discrete time to reduce output impedance in UPS's. , 2017, , .		1
24	Discrete Time Control of Single Phase Inverters for UPS Applications Through a Synchronous Reference Frame. , 2018, , .		0
25	Esquema tolerante a fallas de transistores del lado de carga aplicado a convertidores CC-CC con puentes duales activos trifásicos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 186-198.	1.0	0