

# dos Santos Barros TÃ¡rcio AndrÃ©

## List of Publications by Year in descending order

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40  
papers

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687363

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40  
all docs

40  
docs citations

40  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Management Strategy Based on Virtual Inertia for DC Microgrids. IEEE Transactions on Power Electronics, 2020, 35, 12472-12485.	7.9	93
2	An Approach for Switched Reluctance Generator in a Wind Generation System With a Wide Range of Operation Speed. IEEE Transactions on Power Electronics, 2017, 32, 8277-8292.	7.9	61
3	Power management techniques for grid-connected DC microgrids: A comparative evaluation. Applied Energy, 2020, 269, 115057.	10.1	47
4	Design of Computational Experiment for Performance Optimization of a Switched Reluctance Generator in Wind Systems. IEEE Transactions on Energy Conversion, 2018, 33, 406-419.	5.2	46
5	Performance of a Direct Power Control System Using Coded Wireless OFDM Power Reference Transmissions for Switched Reluctance Aerogenerators in a Smart Grid Scenario. IEEE Transactions on Industrial Electronics, 2015, 62, 52-61.	7.9	39
6	Approach for performance optimization of switched reluctance generator in variable-speed wind generation system. Renewable Energy, 2016, 97, 114-128.	8.9	27
7	A Sliding Mode DITC Cruise Control for SRM With Steepest Descent Minimum Torque Ripple Point Tracking. IEEE Transactions on Industrial Electronics, 2022, 69, 151-159.	7.9	27
8	Automatic Characterization System of Switched Reluctance Machines and Nonlinear Modeling by Interpolation Using Smoothing Splines. IEEE Access, 2018, 6, 26011-26021.	4.2	25
9	Control of Powers for Wind Power Generation and Grid Current Harmonics Filtering From Doubly Fed Induction Generator: Comparison of Two Strategies. IEEE Access, 2019, 7, 32703-32713.	4.2	22
10	Power control for wind power generation and current harmonic filtering with doubly fed induction generator. Renewable Energy, 2017, 107, 181-193.	8.9	21
11	Direct Power Control for Switched Reluctance. Generator in Wind Energy. IEEE Latin America Transactions, 2015, 13, 123-128.	1.6	19
12	A Dahlin Cruise Control Design Method for Switched Reluctance Motors With Minimum Torque Ripple Point Tracking Applied in Electric Vehicles. IEEE Transactions on Transportation Electrification, 2021, 7, 730-740.	7.8	19
13	Power management of energy storage system with modified interlinking converters topology in hybrid AC/DC microgrid. International Journal of Electrical Power and Energy Systems, 2021, 130, 106880.	5.5	16
14	Grid-Connected SRG Interfaced With Bidirectional DC-DC Converter in WECS. IEEE Transactions on Energy Conversion, 2021, 36, 3261-3270.	5.2	15
15	The effect of linear lighting systems on the productive performance and egg quality of laying hens. Poultry Science, 2020, 99, 1369-1378.	3.4	14
16	A proposal for a wind system equipped with a doubly fed induction generator using the Conservative Power Theory for active filtering of harmonics currents. Electric Power Systems Research, 2018, 164, 167-177.	3.6	12
17	A Proposal to Control Active and Reactive Power in Distributed Generation Systems Using Small Wind Turbines. IEEE Latin America Transactions, 2020, 18, 1699-1706.	1.6	11
18	In-Loop Adaptive Filters to Improve the Power Quality of Switched Reluctance Generator in WECS. IEEE Access, 2022, 10, 2941-2951.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Design, optimization and analysis of the axial C-core Switched Reluctance Generator for wind power application. , 2015, , .		7
20	Evaluation of Bidirectional DC-DC Converter Topologies for Voltage Regulation in Hybrid Microgrids with Photovoltaic and Battery Technologies. , 2018, , .		7
21	Methodology for the Electromagnetic Design of the Axial-Flux C-Core Switched Reluctance Generator. IEEE Access, 2018, 6, 65463-65473.	4.2	6
22	Design methodology of P-res controllers with harmonic compensation for three-phase DC-AC grid-tie inverters with LCL output filter. , 2014, , .		5
23	Proposal of LED-based linear lighting systems with low power consumption and high light distribution for laying hens. Computers and Electronics in Agriculture, 2020, 169, 105218.	7.7	5
24	Input voltage regulation of an isolated full-bridge boost converter fed by a photovoltaic device with the state-space feedback control method. , 2013, , .		4
25	A Review of Classic Torque Control Techniques for Switched Reluctance Motors. , 0, , .		4
26	A New Flux Linkage Estimation with Drift Cancellation Technique for Switched Reluctance Machines. Electronics (Switzerland), 2020, 9, 405.	3.1	4
27	Modeling and Experimental Evaluation of Energy Storage Emulator for Microgrids Application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6662-6670.	5.4	4
28	Wind Distributed System Based on Switched Reluctance Generator Using a Bidirectional DC-DC Converter with Sliding Mode Control. , 2019, , .		3
29	Optimal Performance of Switched Reluctance Generator in Stand-alone Wind Systems. , 2021, , .		3
30	Switched control of a three-phase ACâ€“DC power converter. IFAC-PapersOnLine, 2020, 53, 6471-6476.	0.9	3
31	Strategy for modeling a 3-phase grid-tie VSC with LCL filter and controlling the DC-link voltage and output current considering the filter dynamics. , 2015, , .		2
32	DC Microgrid with Wind Energy Conversion System Based on Switched Reluctance Generator Operating in Grid Connected Mode. , 2018, , .		1
33	Performance comparison of DC and AC controllers for a two-stage power converter in energy storage application. Electric Power Systems Research, 2018, 164, 47-60.	3.6	1
34	Mathematical Modeling of Switched Reluctance Machines: Development and Application. , 0, , .		1
35	Analysis and Design Aspects of Min-Type Switching Control Strategies for Synchronous Buckâ€“Boost Converter. Energies, 2022, 15, 2302.	3.1	1
36	Direct Instantaneous Torque Control of Switched Reluctance Machines for Low Torque Ripple Regenerative Braking. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	A SRM Applied in Wind Generation at Smart Grids Employing Wireless Power Control. IEEE Latin America Transactions, 2015, 13, 2048-2056.	1.6	0
38	Performance optimization of switched reluctance generator in wind systems an approach based on design of computer experiment. , 2017, , .		0
39	Sistema Automático de Caracterização de Máquinas a Relutância Variável e Modelagem não Linear por Interpolações Utilizando Smoothing Splines. Eletrônica De Potência, 2024, 20, 140-150.	0.1	0
40	Power Management Strategy for a Modified Interlinking Converter in a Standalone Hybrid AC/DC Microgrid. , 2021, , .		0