

Mauricio B C Salles

List of Publications by Year in descending order

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49
papers

521
citations

840776

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752698

20
g-index

50
all docs

50
docs citations

50
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Security Assessment for the Islanding Transition of Microgrids. IEEE Access, 2022, 10, 17189-17200.	4.2	7
2	Comprehensive Overview on HVDC Converter Transformer Design: Additional Discussions to the IEC/IEEE 60076-57-129 Standard. IEEE Access, 2022, 10, 40165-40180.	4.2	3
3	Optimized Configuration of Diesel Engine-Fuel Cell-Battery Hybrid Power Systems in a Platform Supply Vessel to Reduce CO2 Emissions. Energies, 2022, 15, 2184.	3.1	7
4	Potential revenue and breakeven of energy storage systems in PJM energy markets. Environmental Science and Pollution Research, 2021, 28, 12357-12368.	5.3	5
5	A trip-ahead strategy for optimal energy dispatch in ship power systems. Electric Power Systems Research, 2021, 192, 106917.	3.6	13
6	Supporting distributed energy resources with optimal placement and sizing of voltage regulators on the distribution system by an improved teaching-learning-based optimization algorithm. International Transactions on Electrical Energy Systems, 2021, 31, e12974.	1.9	4
7	Distributed energy resource placement considering hosting capacity by combining teaching-learning-based and honey-bee-mating optimisation algorithms. Applied Soft Computing Journal, 2021, 113, 107953.	7.2	9
8	Stability Analysis of Grid-Forming MMC-HVDC Transmission Connected to Legacy Power Systems. Energies, 2021, 14, 8017.	3.1	10
9	Wind-DFIG wireless controlled using EGPRS standard applied to the ancillary services in a smart grid environment. Electric Power Systems Research, 2020, 189, 106807.	3.6	4
10	Primary Frequency Response of Microgrid Using Doubly Fed Induction Generator With Finite Control Set Model Predictive Control Plus Droop Control and Storage System. IEEE Access, 2020, 8, 189298-189312.	4.2	18
11	Optimal Cost Management of Distributed Generation Units and Microgrids for Virtual Power Plant Scheduling. IEEE Access, 2020, 8, 208449-208461.	4.2	25
12	Combined Control of DFIG-Based Wind Turbine and Battery Energy Storage System for Frequency Response in Microgrids. Energies, 2020, 13, 894.	3.1	34
13	Transient Stability of Power Systems Under High Penetrations of Wind Power Generation. Journal of Control, Automation and Electrical Systems, 2019, 30, 1116-1125.	2.0	8
14	Evaluation of the CO2 Emissions Reduction Potential of Li-ion Batteries in Ship Power Systems. Energies, 2019, 12, 375.	3.1	24
15	Technical Cost of Operating a Photovoltaic Installation as a STATCOM at Nighttime. IEEE Transactions on Sustainable Energy, 2019, 10, 75-81.	8.8	13
16	Sustainable Campus Model at the University of Campinas-Brazil: An Integrated Living Lab for Renewable Generation, Electric Mobility, Energy Efficiency, Monitoring and Energy Demand Management. World Sustainability Series, 2018, , 457-472.	0.4	8
17	Evaluation of the Reactive Power Support Capability and Associated Technical Costs of Photovoltaic Farms™ Operation. Energies, 2018, 11, 1567.	3.1	11
18	A direct power control for DFIG under a three phase symmetrical voltage sag condition. Control Engineering Practice, 2017, 65, 48-58.	5.5	20

#	ARTICLE	IF	CITATIONS
19	Methodology for the sizing of a solar PV plant: A comparative case. , 2017, , .		7
20	Breakeven analysis of energy storage systems in PJM energy markets. , 2017, , .		2
21	The impact of distributed generation on the energy tariff and the Utility revenue in Brazil. , 2017, , .		5
22	Voltage control analysis for integrating wind generation in distribution/sub-transmission grids. , 2017, , .		0
23	A methodology for evaluation of operational zones for distributed generation based on DFIG. , 2017, , .		3
24	Potential Arbitrage Revenue of Energy Storage Systems in PJM. Energies, 2017, 10, 1100.	3.1	39
25	Potential arbitrage revenue of energy storage systems in PJM during 2014. , 2016, , .		11
26	Voltage support in industrial distribution systems in presence of induction generator-based wind turbines and large motors. Electric Power Systems Research, 2016, 140, 681-688.	3.6	4
27	An analytical insight into large-disturbance stability of doubly fed induction generators. Electric Power Systems Research, 2015, 122, 29-32.	3.6	2
28	Effects of inertia emulation in modern wind parks on isolated power systems. , 2015, , .		7
29	Protection strategies for rotor side converter of DFIG-based wind turbine during voltage dips. , 2015, , .		5
30	Integrated subsea production system: An overview on energy distribution and remote control. , 2014, , .		7
31	Voltage sags and short circuit analysis in power systems with high wind power penetration based on doubly fed induction generator. , 2013, , .		1
32	Electromechanical transient analysis considering the effects of wind turbines connected to the network. , 2013, , .		0
33	Frequency stability support requirements for WTs in slow-response thermal power systems. , 2013, , .		1
34	Analysis of transmission systems with high penetration of wind power using DFIG based wind farms during voltage sags. , 2013, , .		2
35	Large induction motors in distributed wind power generation. , 2013, , .		2
36	A study on the rotor side control of DFIG-based wind turbine during voltage sags without crowbar system. , 2012, , .		7

#	ARTICLE	IF	CITATIONS
37	The influence of the applied rotor voltage on ride-through capability of doubly fed induction generator. , 2011, , .		5
38	Justified Fault-Ride-Through Requirements for Wind Turbines in Power Systems. IEEE Transactions on Power Systems, 2011, 26, 1555-1563.	6.5	60
39	Dynamic modeling of transverse flux permanent magnet generator for wind turbines. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2011, 10, 95-105.	0.7	8
40	Electromagnetic Analysis of Submarine Umbilical Cables With Complex Configurations. IEEE Transactions on Magnetics, 2010, 46, 3317-3320.	2.1	8
41	Crowbar System in Doubly Fed Induction Wind Generators. Energies, 2010, 3, 738-753.	3.1	55
42	Control strategies of doubly fed induction generators to support grid voltage. , 2009, , .		23
43	A 2-D Delaunay Refinement Algorithm Using an Initial Prerefinement From the Boundary Mesh. IEEE Transactions on Magnetics, 2008, 44, 1418-1421.	2.1	3
44	Dynamic analysis of wind turbines considering new grid code requirements. , 2008, , .		9
45	Wind Electrical energy generating systems EMC. A dedicated experimental simulator for tests. , 2008, , .		4
46	Análise de estabilidade de geradores de indução utilizados em turbinas eólicas de velocidade fixa. Exacta, 2008, 6, 217-228.	0.5	0
47	Impacts of dynamic reactive power compensation devices on the performance of wind power generators. International Journal of Energy Technology and Policy, 2005, 3, 223.	0.2	5
48	Comparative analysis between SVC and DSTATCOM devices for improvement of induction generator stability. , 2004, , .		10
49	A day-ahead hybrid optimization algorithm for finding the dispatch schedule of VPP in a distribution system. , 0, , .		3