

# Mauricio B C Salles

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

521  
citations

840776

11  
h-index

752698

20  
g-index

50  
all docs

50  
docs citations

50  
times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Justified Fault-Ride-Through Requirements for Wind Turbines in Power Systems. IEEE Transactions on Power Systems, 2011, 26, 1555-1563.	6.5	60
2	Crowbar System in Doubly Fed Induction Wind Generators. Energies, 2010, 3, 738-753.	3.1	55
3	Potential Arbitrage Revenue of Energy Storage Systems in PJM. Energies, 2017, 10, 1100.	3.1	39
4	Combined Control of DFIG-Based Wind Turbine and Battery Energy Storage System for Frequency Response in Microgrids. Energies, 2020, 13, 894.	3.1	34
5	Optimal Cost Management of Distributed Generation Units and Microgrids for Virtual Power Plant Scheduling. IEEE Access, 2020, 8, 208449-208461.	4.2	25
6	Evaluation of the CO2 Emissions Reduction Potential of Li-ion Batteries in Ship Power Systems. Energies, 2019, 12, 375.	3.1	24
7	Control strategies of doubly fed induction generators to support grid voltage. , 2009, , .		23
8	A direct power control for DFIG under a three phase symmetrical voltage sag condition. Control Engineering Practice, 2017, 65, 48-58.	5.5	20
9	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
10	Technical Cost of Operating a Photovoltaic Installation as a STATCOM at Nighttime. IEEE Transactions on Sustainable Energy, 2019, 10, 75-81.	8.8	13
11	A trip-ahead strategy for optimal energy dispatch in ship power systems. Electric Power Systems Research, 2021, 192, 106917.	3.6	13
12	Potential arbitrage revenue of energy storage systems in PJM during 2014. , 2016, , .		11
13	Evaluation of the Reactive Power Support Capability and Associated Technical Costs of Photovoltaic Farmsâ€™ Operation. Energies, 2018, 11, 1567.	3.1	11
14	Comparative analysis between SVC and DSTATCOM devices for improvement of induction generator stability. , 2004, , .		10
15	Stability Analysis of Grid-Forming MMC-HVDC Transmission Connected to Legacy Power Systems. Energies, 2021, 14, 8017.	3.1	10
16	Dynamic analysis of wind turbines considering new grid code requirements. , 2008, , .		9
17	Distributed energy resource placement considering hosting capacity by combining teachingâ€™learning-based and honey-bee-mating optimisation algorithms. Applied Soft Computing Journal, 2021, 113, 107953.	7.2	9
18	Electromagnetic Analysis of Submarine Umbilical Cables With Complex Configurations. IEEE Transactions on Magnetics, 2010, 46, 3317-3320.	2.1	8

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	A study on the rotor side control of DFIG-based wind turbine during voltage sags without crowbar system. , 2012, , .		7
23	Integrated subsea production system: An overview on energy distribution and remote control. , 2014, , .		7
24	Effects of inertia emulation in modern wind parks on isolated power systems. , 2015, , .		7
25	Methodology for the sizing of a solar PV plant: A comparative case. , 2017, , .		7
26	Security Assessment for the Islanding Transition of Microgrids. IEEE Access, 2022, 10, 17189-17200.	4.2	7
27	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
28	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
29	The influence of the applied rotor voltage on ride-through capability of doubly fed induction generator. , 2011, , .		5
30	Protection strategies for rotor side converter of DFIG-based wind turbine during voltage dips. , 2015, , .		5
31	The impact of distributed generation on the energy tariff and the Utility revenue in Brazil. , 2017, , .		5
32	Potential revenue and breakeven of energy storage systems in PJM energy markets. Environmental Science and Pollution Research, 2021, 28, 12357-12368.	5.3	5
33	Wind Electrical energy generating systems EMC. A dedicated experimental simulator for tests. , 2008, , .		4
34	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
35	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
36	Supporting distributed energy resources with optimal placement and sizing of voltage regulators on the distribution system by an improved <scp>teachingâ€learningâ€based</scp> optimization algorithm. International Transactions on Electrical Energy Systems, 2021, 31, e12974.	1.9	4

#	ARTICLE	IF	CITATIONS
37	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
38	A methodology for evaluation of operational zones for distributed generation based on DFIG. , 2017, , .		3
39	A day-ahead hybrid optimization algorithm for finding the dispatch schedule of VPP in a distribution system. , 0, , .		3
40	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
41	Analysis of transmission systems with high penetration of wind power using DFIG based wind farms during voltage sags. , 2013, , .		2
42	Large induction motors in distributed wind power generation. , 2013, , .		2
43	An analytical insight into large-disturbance stability of doubly fed induction generators. Electric Power Systems Research, 2015, 122, 29-32.	3.6	2
44	Breakeven analysis of energy storage systems in PJM energy markets. , 2017, , .		2
45	Voltage sags and short circuit analysis in power systems with high wind power penetration based on doubly fed induction generator. , 2013, , .		1
46	Frequency stability support requirements for WTs in slow-response thermal power systems. , 2013, , .		1
47	Electromechanical transient analysis considering the effects of wind turbines connected to the network. , 2013, , .		0
48	Voltage control analysis for integrating wind generation in distribution/sub-transmission grids. , 2017, , .		0
49	Análise de estabilidade de geradores de indução utilizados em turbinas eólicas de velocidade fixa. Exacta, 2008, 6, 217-228.	0.5	0