Ghendy Cardoso

List of Publications by Year
in descending order

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66 papers	881 citations	516710 16 h-index	501196 28 g-index
69 all docs	69 docs citations	69 times ranked	789 citing authors

#	Article	IF	Citations
1	Application of Neural-Network Modules to Electric Power System Fault SectionÂEstimation. IEEE Transactions on Power Delivery, 2004, 19, 1034-1041.	4.3	121
2	An Innovative Loss-of-Excitation Protection Based on the Fuzzy Inference Mechanism. IEEE Transactions on Power Delivery, 2010, 25, 2197-2204.	4.3	72
3	Passive Method for Distributed-Generation Island Detection Based on Oscillation Frequency. IEEE Transactions on Power Delivery, 2016, 31, 138-146.	4.3	67
4	Identifying the Primary Fault Section After Contingencies in Bulk Power Systems. IEEE Transactions on Power Delivery, 2008, 23, 1335-1342.	4.3	60
5	Online coordination of directional overcurrent relays using binary integer programming. Electric Power Systems Research, 2015, 127, 118-125.	3.6	49
6	A morphological filtering algorithm for fault detection in transmission lines during power swings. Electric Power Systems Research, 2015, 122, 10-18.	3.6	43
7	Adaptive Mho relay for synchronous generator lossâ€ofâ€excitation protection: a capability curve limitâ€based approach. IET Generation, Transmission and Distribution, 2016, 10, 3449-3457.	2.5	39
8	Non-linear high impedance fault distance estimation in power distribution systems: A continually online-trained neural network approach. Electric Power Systems Research, 2018, 157, 20-28.	3.6	34
9	CT Saturation Detection Based on the Distance Between Consecutive Points in the Plans Formed by the Secondary Current Samples and Their Difference-Functions. IEEE Transactions on Power Delivery, 2013, 28, 29-37.	4.3	26
10	Numerical distance relaying algorithm based on Mathematical Morphology and Least-Squares Curve Fitting method. Electric Power Systems Research, 2011, 81, 1144-1150.	3.6	23
11	Analytical Technique for Evaluating Stray Capacitances in Multiconductor Systems: Single-Layer Air-Core Inductors. IEEE Transactions on Power Electronics, 2018, 33, 6147-6158.	7.9	23
12	Waveform asymmetry of instantaneous current signal based symmetrical fault detection during power swing. Electric Power Systems Research, 2018, 155, 340-349.	3.6	21
13	Power systems transient stability indices: an algorithm based on equivalent clusters of coherent generators. IET Generation, Transmission and Distribution, 2010, 4, 1223.	2.5	19
14	Hybrid system based on constructive heuristic and integer programming for the solution of problems of fault section estimation and alarm processing in power systems. Electric Power Systems Research, 2012, 90, 55-66.	3.6	17
15	Phasor estimation in power systems using a neural network with online training for numerical relays purposes. IET Science, Measurement and Technology, 2015, 9, 836-841.	1.6	17
16	Method for distributed generation anti-islanding protection based on singular value decomposition and linear discrimination analysis. Electric Power Systems Research, 2016, 130, 124-131.	3.6	17
17	New Methodology for Identification of Sympathetic Inrush for a Power Transformer using Wavelet Transform. IEEE Latin America Transactions, 2018, 16, 1158-1163.	1.6	17
18	High-sensitivity stator fault protection for synchronous generators: A time-domain approach based on mathematical morphology. International Journal of Electrical Power and Energy Systems, 2018, 99, 419-425.	5.5	15

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19	Performance Evaluation of the Adaptive Loss of Field Protection in Synchronous Generators by means of the Positive Offset Method. IEEE Latin America Transactions, 2009, 7, 643-649.	1.6	14
20	A reliable setting-free technique for power transformer protection based on wavelet transform. Electric Power Systems Research, 2018, 162, 161-168.	3.6	14
21	Power system frequency estimation using morphological prediction of Clarke components. Electric Power Systems Research, 2015, 122, 208-217.	3.6	13
22	Fault location in distribution systems: A Method Considering the Parameter Estimation Using a RNA Online. IEEE Latin America Transactions, 2016, 14, 4741-4749.	1.6	12
23	Fault Current Limiter Placement to Reduce Recloser â€' Fuse Miscoordination in Electric Distribution Systems with Distributed Generation using Multiobjective Particle Swarm Optimization. IEEE Latin America Transactions, 2018, 16, 1914-1920.	1.6	11
24	Hybrid Method for Protective Devices Placement, Sizing and Coordination in Electric Distribution Systems. IEEE Latin America Transactions, 2017, 15, 257-262.	1.6	9
25	A multi-agent approach to distribution system fault section estimation in smart grid environment. Electric Power Systems Research, 2022, 204, 107658.	3.6	9
26	A mixed integer programming model for optimal fault section estimation in power systems. International Journal of Electrical Power and Energy Systems, 2016, 77, 372-384.	5.5	8
27	Genetic local search algorithm for a new bi-objective arc routing problem with profit collection and dispersion of vehicles. Expert Systems With Applications, 2018, 92, 276-288.	7.6	8
28	Minimising directâ€coupled distributed synchronous generators impact on electric power systems protection. IET Generation, Transmission and Distribution, 2019, 13, 4190-4196.	2.5	7
29	Minimizing dispersion in multiple drone routing. Computers and Operations Research, 2019, 109, 28-42.	4.0	7
30	Interpretation of remote backup protection operation for fault section estimation by a fuzzy expert system. , 0, , .		6
31	A continually online trained impedance estimation algorithm for transmission line distance protection tolerant to system frequency deviation. Electric Power Systems Research, 2017, 147, 73-80.	3.6	6
32	Repowering rural single-phase distribution network: A non-conventional proposal using two overhead wires and the ground as the third phase. Electric Power Systems Research, 2017, 150, 105-117.	3.6	6
33	A comparative analysis of loss of excitation protection methods for synchronous generators. , 2017, , .		6
34	Distributed Synchronous generation ride-through enhancement by anti-islanding protection blocking. Electric Power Systems Research, 2021, 196, 107232.	3.6	6
35	An underfrequency load shedding scheme for high dependability and security tolerant to induction motors dynamicsâœ°. Electric Power Systems Research, 2021, 196, 107217.	3.6	6
36	New setting of loss of excitation protection in P-Q plan in order to maximize the operation area of the capacity curve of the synchronous machine. , 2014, , .		5

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37	MPPT of Magnus Wind System with DC Servo Drive for the Cylinders and Boost Converter. Journal of Wind Energy, 2015, 2015, 1-10.	1.0	5
38	Integrating Protection Constraints to a MEAN-Based Method for Service Restoration in Radial Distribution Systems. Electric Power Systems Research, 2021, 191, 106851.	3.6	5
39	Paraconsistent analysis network for uncertainties treatment in electric power system fault section estimation. International Journal of Electrical Power and Energy Systems, 2022, 134, 107317.	5.5	5
40	Recloser-fuse coordination protection for inverter-based distributed generation systems. , 2015, , .		3
41	Curve fitting analysis of time-current characteristic of expulsion fuse links. , 2017, , .		3
42	Curve Fitting Analysis of Expulsion Fuse Links through the Cross-Validation Technique. , 2018, , .		3
43	DiagnÃ³stico de faltas em sistemas de potÃªncia: definiÃ§Ã£o do problema e abordagens via inteligÃªncia artificial. Controle and Automacao, 2004, 15, 215-229.	0.2	2
44	AvaliaÃ§Ã£o do desempenho dos mÃ©todos de proteÃ§Ã£o contra a perda de excitaÃ§Ã£o em geradores sÃncronos. Controle and Automacao, 2009, 20, 526-545.	0.2	2
45	Frequency Tracking Algorithms: A Contribution Considering Phase Unbalance, Step Variations, Noise, Harmonics, and Different Sampling Rates. Journal of Control, Automation and Electrical Systems, 2013, 24, 493-503.	2.0	2
46	Transients detection and classification in distribution networks for high impedance faults identification. , 2014, , .		2
47	ATP Substation Analysis: Graphical preprocessor software for transient analysis in substations. , 2015, , .		2
48	An alternative solution for the multiple estimation problem using fuzzy sets. , 2017, , .		2
49	EMTP-ATP Modelling of Single-Layer Air-Core Inductors for Very High-Frequency Transients. IEEE Latin America Transactions, 2018, 16, 2591-2599.	1.6	2
50	Neural model of the expulsion fuse link Timeâ€“Current Characteristic for computer-aided applications. Electric Power Systems Research, 2019, 175, 105899.	3.6	2
51	Rate of Change of Active Power as a Power Swing Blocking Function of Distance Relays. IEEE Latin America Transactions, 2022, 20, 259-268.	1.6	2
52	Binary integer programming applied to fault section estimation in power systems. , 2013, , .		1
53	An automatic fault diagnosis solution for electrical power systems. , 2014, , .		1
54	Mitigating Direct-Coupled Distributed Generation Impact on Electric Distribution System Protection. , 2018, , .		1

#	Article	IF	Citations
55	Protection Miscoordination Index in Distribution System Protection with Distributed Generation Considering Fault Current Limiters. , 2019, , .		1
56	Power Factor in Distributed Generation Installations: A Case Study and Critical Analysis. Journal of Control, Automation and Electrical Systems, 2022, 33, 198-203.	2.0	1
57	Network topology tracking methodology customized for the fault diagnosis problem in electrical power systems. , 2012, , .		0
58	Algorithm using discrete wavelet transform to power transformers protection. , 2013, , .		0
59	Treatment of alarms applied to fault diagnosis in power systems. , 2014, , .		0
60	Low cost data acquisition system for wind prospecting. , 2016, , .		0
61	Comparison of loss of excitation protection methods in synchronous generators. , 2018, , .		0
62	Curve Fitting Analysis of Expulsion Fuse Links for Protection Studies. , 2019, , .		0
63	Advanced Real-Time Alarm Processor for Fault Section Estimation in Power Systems. , 2019, , .		0
64	A morphological approach for turn-to-turn fault detection in synchronous split-phase generators. Electric Power Systems Research, 2022, 202, 107555.	3.6	0
65	AnÃ¡lise da resposta em regime transitÃ³rio e permanente de algoritmos para filtragem digital utilizados em relÃ©s numÃ©ricos: velocidade de convergÃªncia, overshoot e sensibilidade em relaÃ§Ã£o a constante de tempo. Controle and Automacao, 2011, 22, 65-78.	0.2	0
66	New adaptive protection algorithm for online overcurrent relay setting in interconnected power systems. , 2020, , .		0