

N W A Lidula

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,209
citations

1163117

8
h-index

1372567

10
g-index

27
all docs

27
docs citations

27
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Microgrids research: A review of experimental microgrids and test systems. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 186-202.	16.4	634
2	A Pattern Recognition Approach for Detecting Power Islands Using Transient Signals Part I: Design and Implementation. <i>IEEE Transactions on Power Delivery</i> , 2010, 25, 3070-3077.	4.3	115
3	ASEAN towards clean and sustainable energy: Potentials, utilization and barriers. <i>Renewable Energy</i> , 2007, 32, 1441-1452.	8.9	82
4	A Pattern-Recognition Approach for Detecting Power Islands Using Transient Signals Part II: Performance Evaluation. <i>IEEE Transactions on Power Delivery</i> , 2012, 27, 1071-1080.	4.3	81
5	Wavelet-Multi Resolution Analysis Based ANN Architecture for Fault Detection and Localization in DC Microgrids. <i>IEEE Access</i> , 2019, 7, 145371-145384.	4.2	70
6	Investigation of a fast islanding detection methodology using transient signals. , 2009, , .		47
7	Voltage balancing and synchronization of microgrids with highly unbalanced loads. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 31, 907-920.	16.4	37
8	Protection and grounding methods in DC microgrids: Comprehensive review and analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109631.	16.4	37
9	Modelling and simulation of a solar PV and battery based DC microgrid system. , 2016, , .		26
10	Fast and reliable detection of power islands using transient signals. , 2009, , .		23
11	Implementation, Comparison and Application of an Average Simulation Model of a Wind Turbine Driven Doubly Fed Induction Generator. <i>Energies</i> , 2017, 10, 1726.	3.1	11
12	SoC Based Multi-Mode Battery Energy Management System for DC Microgrids. , 2019, , .		9
13	Hardware implementation of an islanding detection approach based on current and voltage transients. , 2011, , .		8
14	Power Quality Issues Due to High Penetration of Rooftop Solar PV in Low Voltage Distribution Networks: A Case Study. , 2019, , .		8
15	Ground Fault Analysis and Grounding Design Considerations in DC Microgrids. , 2018, , .		5
16	Bus Voltage Signalling Based Coordinated Control of DC Microgrids. , 2018, , .		4
17	Under-frequency load shedding for power systems with high variability and uncertainty. , 2013, , .		3
18	Impact of Islanding Detection Time Duration on the Stable Operation of a Synchronous Generator Controlled Microgrid. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 2017, 2, 1.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Designing a microgrid test system for transient analysis. , 2015, , .		2
20	Impact of Large-Scale Wind and Solar Power Integration on Operating Reserve Requirements of an Islanded Power System. , 2018, , .		2
21	Designing and simulation of a DC microgrid in PSCAD. , 2016, , .		1
22	Prototype implementation of an islanding detection relay based on pattern classification of current and voltage transients. Journal of the National Science Foundation of Sri Lanka, 2014, 42, 3.	0.2	1
23	Technical program committee (TPC). , 2014, , .		0
24	Evaluation of protection coordination violations with the integration of distributed generators. , 2015, , .		0
25	Techno-economic feasibility of using 400 kV for the 2032 transmission system of Sri Lanka. , 2016, , .		0
26	Evaluation of the impact of integrating pumped-storage systems in a small power system with high wind penetration. , 2016, , .		0
27	Low Voltage DC Microgrid Control Strategy Using Single Phase DQ Transformation. , 2019, , .		0