

Alexander Micallef

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6939883/publications.pdf>

Version: 2024-02-01

23
papers

723
citations

1307594

7
h-index

1474206

9
g-index

23
all docs

23
docs citations

23
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive Power Sharing and Voltage Harmonic Distortion Compensation of Droop Controlled Single Phase Islanded Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 1149-1158.	9.0	228
2	Single-Phase Microgrid With Seamless Transition Capabilities Between Modes of Operation. IEEE Transactions on Smart Grid, 2015, 6, 2736-2745.	9.0	128
3	Mitigation of Harmonics in Grid-Connected and Islanded Microgrids Via Virtual Admittances and Impedances. IEEE Transactions on Smart Grid, 2015, , 1-11.	9.0	83
4	Overview of solar technologies for electricity, heating and cooling production. Renewable and Sustainable Energy Reviews, 2018, 90, 892-909.	16.4	75
5	Secondary control for reactive power sharing in droop-controlled islanded microgrids. , 2012, , .		41
6	Secondary control for reactive power sharing and voltage amplitude restoration in droop-controlled islanded microgrids. , 2012, , .		29
7	Review of the current challenges and methods to mitigate power quality issues in single-phase microgrids. IET Generation, Transmission and Distribution, 2019, 13, 2044-2054.	2.5	24
8	Incremental Current Based MPPT for a PMSG Micro Wind Turbine in a Grid-Connected DC Microgrid. Energy Procedia, 2017, 142, 2284-2294.	1.8	18
9	Selective virtual capacitive impedance loop for harmonic voltage compensation in islanded MicroGrids. , 2013, , .		15
10	Performance comparison for virtual impedance techniques used in droop controlled islanded microgrids. , 2016, , .		15
11	Cooperative control with virtual selective harmonic capacitance for harmonic voltage compensation in islanded microgrids. , 2012, , .		13
12	Integration of an Organic Rankine Cycle and a Photovoltaic Unit for Micro-Scale CHP Applications in the Residential Sector. Energy Procedia, 2017, 126, 597-604.	1.8	13
13	Utility-Scale Storage Integration in the Maltese Medium-Voltage Distribution Network. Energies, 2022, 15, 2724.	3.1	9
14	Optimal Power Control for a PMSG Small Wind Turbine in a Grid-Connected DC Microgrid. , 2018, , .		7
15	Paralleling of buck converters for DC microgrid operation. , 2016, , .		5
16	Voltage rise mitigation and low voltage ride through capabilities for grid-connected low voltage microgrids. , 2017, , .		5
17	MPPT with Current Control for a PMSG Small Wind Turbine in a Grid-Connected DC Microgrid. Green Energy and Technology, 2018, , 205-219.	0.6	5
18	Wind MPPT for a PMSG SWT in a Grid-Connected DC Microgrid. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Modeling of an EMC test-bench for conducted emissions in solid state applications. , 2010, , .		2
20	Alternative Droop Control Method using a Modified Lag Compensator for Paralleled Converters in DC Microgrids. , 2019, , .		2
21	Analysis of Polygon Connected ATRU for the More-Electric Aircraft. , 2020, , .		1
22	Electric Spring-based Smart Water Heater for Low Voltage Microgrids. , 2020, , .		0
23	Paralleling Converters in DC Microgrids with Modified Lag I-V Droop Control and Voltage Restoration. Lecture Notes in Electrical Engineering, 2020, , 161-176.	0.4	0