

Abdul Motin Howlader

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5712457/publications.pdf>

Version: 2024-02-01

28
papers

953
citations

623734

14
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

988
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of output power smoothing methods for wind energy conversion systems. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 135-146.	16.4	150
2	Integrated approach for optimal techno-economic planning for high renewable energy-based isolated microgrid considering cost of energy storage and demand response strategies. <i>Energy Conversion and Management</i> , 2020, 215, 112917.	9.2	118
3	Active power control to mitigate voltage and frequency deviations for the smart grid using smart PV inverters. <i>Applied Energy</i> , 2020, 258, 114000.	10.1	78
4	A comprehensive review of low voltage ride through capability strategies for the wind energy conversion systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 643-658.	16.4	71
5	A minimal order observer based frequency control strategy for an integrated wind-battery-diesel power system. <i>Energy</i> , 2012, 46, 168-178.	8.8	57
6	Distributed voltage regulation using Volt-Var controls of a smart PV inverter in a smart grid: An experimental study. <i>Renewable Energy</i> , 2018, 127, 145-157.	8.9	57
7	Multi objective unit commitment with voltage stability and PV uncertainty. <i>Applied Energy</i> , 2018, 228, 618-623.	10.1	54
8	A robust H_{∞} controller based frequency control approach using the wind-battery coordination strategy in a small power system. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 58, 190-198.	5.5	53
9	Static voltage stability improvement with battery energy storage considering optimal control of active and reactive power injection. <i>Electric Power Systems Research</i> , 2019, 172, 303-312.	3.6	48
10	An Integrated Power Smoothing Control for a Grid-Interactive Wind Farm Considering Wake Effects. <i>IEEE Systems Journal</i> , 2015, 9, 954-965.	4.6	40
11	Critical Boundary Index (CBI) based on active and reactive power deviations. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 100, 50-57.	5.5	40
12	Design and Implement a Digital H_{∞} Robust Controller for a MW-Class PMSG-Based Grid-Interactive Wind Energy Conversion System. <i>Energies</i> , 2013, 6, 2084-2109.	3.1	38
13	Control Strategies for Wind-Farm-Based Smart Grid System. <i>IEEE Transactions on Industry Applications</i> , 2014, 50, 3591-3601.	4.9	32
14	Multiobjective mix generation planning considering utility-scale solar PV system and voltage stability: Nigerian case study. <i>Electric Power Systems Research</i> , 2019, 168, 269-282.	3.6	31
15	Parameter Identification of Wind Turbine for Maximum Power-point Tracking Control. <i>Electric Power Components and Systems</i> , 2010, 38, 603-614.	1.8	12
16	A Robust H_{∞} Controller Based Gain-scheduled Approach for the Power Smoothing of Wind Turbine Generator with a Battery Energy Storage System. <i>Electric Power Components and Systems</i> , 2015, 43, 2156-2167.	1.8	12
17	A fuzzy control strategy for power smoothing and grid dynamic response enrichment of a grid-connected wind energy conversion system. <i>Wind Energy</i> , 2014, 17, 1347-1363.	4.2	11
18	Network Structure-Based Critical Bus Identification for Power System Considering Line Voltage Stability Margin. <i>Journal of Power and Energy Engineering</i> , 2018, 06, 97-111.	0.6	11

#	ARTICLE	IF	CITATIONS
19	Output power leveling of wind generation system using inertia for PM synchronous generator. , 2009, , .		7
20	Optimal scheduling method of controllable loads in smart house considering forecast error. , 2013, , .		7
21	Wide-speed Range Operation of Interior Permanent Magnet Synchronous Motor with Parameter Identification. Electric Power Components and Systems, 2009, 37, 847-865.	1.8	6
22	Fuzzy controller based output power leveling enhancement for a permanent magnet synchronous generator. , 2011, , .		6
23	A new robust controller approach for a wind energy conversion system under high turbulence wind velocity. , 2012, , .		4
24	Output power control of a PMSG based wind turbine in strong wind conditions. , 2013, , .		4
25	Control strategies for wind farm based smart grid system. , 2013, , .		3
26	An online fuzzy adaptive pulse amplitude modulation control for a PMSM drive. , 2012, , .		1
27	Load Frequency Control Design for Two Area Interconnected Power System with DFIG Based Wind Turbine. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.8	1
28	Optimal Reactive Power or VAR Flow from Distributed Smart PV Inverters. , 2021, , .		1