

# Abdul Motin Howlader

## List of Publications by Year in descending order

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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	Optimal Reactive Power or VAR Flow from Distributed Smart PV Inverters. , 2021, , .		1
2	Active power control to mitigate voltage and frequency deviations for the smart grid using smart PV inverters. Applied Energy, 2020, 258, 114000.	10.1	78
3	Integrated approach for optimal techno-economic planning for high renewable energy-based isolated microgrid considering cost of energy storage and demand response strategies. Energy Conversion and Management, 2020, 215, 112917.	9.2	118
4	Static voltage stability improvement with battery energy storage considering optimal control of active and reactive power injection. Electric Power Systems Research, 2019, 172, 303-312.	3.6	48
5	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
6	Multiobjective mix generation planning considering utility-scale solar PV system and voltage stability: Nigerian case study. Electric Power Systems Research, 2019, 168, 269-282.	3.6	31
7	Critical Boundary Index (CBI) based on active and reactive power deviations. International Journal of Electrical Power and Energy Systems, 2018, 100, 50-57.	5.5	40
8	Distributed voltage regulation using Volt-Var controls of a smart PV inverter in a smart grid: An experimental study. Renewable Energy, 2018, 127, 145-157.	8.9	57
9	Multi objective unit commitment with voltage stability and PV uncertainty. Applied Energy, 2018, 228, 618-623.	10.1	54
10	Network Structure-Based Critical Bus Identification for Power System Considering Line Voltage Stability Margin. Journal of Power and Energy Engineering, 2018, 06, 97-111.	0.6	11
11	A comprehensive review of low voltage ride through capability strategies for the wind energy conversion systems. Renewable and Sustainable Energy Reviews, 2016, 56, 643-658.	16.4	71
12	An Integrated Power Smoothing Control for a Grid-Interactive Wind Farm Considering Wake Effects. IEEE Systems Journal, 2015, 9, 954-965.	4.6	40
13	A Robust H <sub>∞</sub> Controller Based Gain-scheduled Approach for the Power Smoothing of Wind Turbine Generator with a Battery Energy Storage System. Electric Power Components and Systems, 2015, 43, 2156-2167.	1.8	12
14	A fuzzy control strategy for power smoothing and grid dynamic response enrichment of a grid-connected wind energy conversion system. Wind Energy, 2014, 17, 1347-1363.	4.2	11
15	A robust $H_{\infty}$ controller based frequency control approach using the wind-battery coordination strategy in a small power system. International Journal of Electrical Power and Energy Systems. 2014. 58. 190-198.	5.5	53
16	Control Strategies for Wind-Farm-Based Smart Grid System. IEEE Transactions on Industry Applications, 2014, 50, 3591-3601.	4.9	32
17	Control strategies for wind farm based smart grid system. , 2013, , .		3
18	Output power control of a PMSG based wind turbine in strong wind conditions. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
19	Optimal scheduling method of controllable loads in smart house considering forecast error. , 2013, , .		7
20	A review of output power smoothing methods for wind energy conversion systems. Renewable and Sustainable Energy Reviews, 2013, 26, 135-146.	16.4	150
21	Design and Implement a Digital H $\hat{a}$ z Robust Controller for a MW-Class PMSG-Based Grid-Interactive Wind Energy Conversion System. Energies, 2013, 6, 2084-2109.	3.1	38
22	An online fuzzy adaptive pulse amplitude modulation control for a PMSM drive. , 2012, , .		1
23	A new robust controller approach for a wind energy conversion system under high turbulence wind velocity. , 2012, , .		4
24	A minimal order observer based frequency control strategy for an integrated wind-battery-diesel power system. Energy, 2012, 46, 168-178.	8.8	57
25	Fuzzy controller based output power leveling enhancement for a permanent magnet synchronous generator. , 2011, , .		6
26	Parameter Identification of Wind Turbine for Maximum Power-point Tracking Control. Electric Power Components and Systems, 2010, 38, 603-614.	1.8	12
27	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
28	Output power leveling of wind generation system using inertia for PM synchronous generator. , 2009, , .		7