

# Mohamed Abdelkarim Abdelbaky

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

471  
citations

840776

11  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and implementation of partial offline fuzzy model-predictive pitch controller for large-scale wind-turbines. <i>Renewable Energy</i> , 2020, 145, 981-996.	8.9	65
2	An advanced virtual synchronous generator control technique for frequency regulation of grid-connected PV system. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106440.	5.5	58
3	Adaptive and Fuzzy PI Controllers Design for Frequency Regulation of Isolated Microgrid Integrated With Electric Vehicles. <i>IEEE Access</i> , 2020, 8, 87621-87632.	4.2	55
4	Aggregation of EVs for Primary Frequency Control of an Industrial Microgrid by Implementing Grid Regulation & Charger Controller. <i>IEEE Access</i> , 2020, 8, 141977-141989.	4.2	45
5	Frequency Regulation of an Isolated Microgrid With Electric Vehicles and Energy Storage System Integration Using Adaptive and Model Predictive Controllers. <i>IEEE Access</i> , 2021, 9, 14958-14970.	4.2	45
6	V2G Strategy for Primary Frequency Control of an Industrial Microgrid Considering the Charging Station Operator. <i>Electronics (Switzerland)</i> , 2020, 9, 549.	3.1	41
7	Wind Turbine Control Using Nonlinear Economic Model Predictive Control over All Operating Regions. <i>Energies</i> , 2020, 13, 184.	3.1	40
8	Large-scale wind farm control using distributed economic model predictive scheme. <i>Renewable Energy</i> , 2022, 181, 581-591.	8.9	27
9	Nonlinear MPC for DFIG-based wind power generation under unbalanced grid conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 134, 107416.	5.5	20
10	Design of MIMO Antenna with an Enhanced Isolation Technique. <i>Electronics (Switzerland)</i> , 2020, 9, 1217.	3.1	18
11	Improvement of Power Converters Performance by an Efficient Use of Dead Time Compensation Technique. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3121.	2.5	17
12	Wind Turbines Pitch Controller using Constrained Fuzzy-Receding Horizon Control. , 2019, , .		11
13	Optimal Power-Gas Flow of Integrated Electricity and Natural Gas System: A Sequential MISOCP Approach. , 2019, , .		8
14	Detection and Localization the Open and Short Circuit Faults in PV System: A MILP Approach. , 2020, , .		7
15	Photovoltaic Failure Diagnosis Using Sequential Probabilistic Neural Network Model. <i>IEEE Access</i> , 2020, 8, 220507-220522.	4.2	6
16	Implementation of Fractional-order PID Controller Using Industrial DCS with Experimental Validation. , 2020, , .		5
17	Frequency Regulation and optimization of Microgrid System with Multi PV-VSG using Advanced Droop Controller. , 2020, , .		2
18	Stable Economic Model-Predictive Control for T-S Fuzzy Systems with Persistent Disturbances. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Wind Turbine System based Virtual Synchronous Generator Control for Microgrid Frequency Regulation. E3S Web of Conferences, 2021, 261, 01024.	0.5	0