

Mohamed Abdelkarim Abdelbaky

List of Publications by Year in descending order

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19
papers

471
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840776
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19
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19
docs citations

19
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear MPC for DFIG-based wind power generation under unbalanced grid conditions. International Journal of Electrical Power and Energy Systems, 2022, 134, 107416.	5.5	20
2	Large-scale wind farm control using distributed economic model predictive scheme. Renewable Energy, 2022, 181, 581-591.	8.9	27
3	An advanced virtual synchronous generator control technique for frequency regulation of grid-connected PV system. International Journal of Electrical Power and Energy Systems, 2021, 125, 106440.	5.5	58
4	Wind Turbine System based Virtual Synchronous Generator Control for Microgrid Frequency Regulation. E3S Web of Conferences, 2021, 261, 01024.	0.5	0
5	Frequency Regulation of an Isolated Microgrid With Electric Vehicles and Energy Storage System Integration Using Adaptive and Model Predictive Controllers. IEEE Access, 2021, 9, 14958-14970.	4.2	45
6	Stable Economic Model-Predictive Control for T-S Fuzzy Systems with Persistent Disturbances. , 2021, , .		1
7	Design and implementation of partial offline fuzzy model-predictive pitch controller for large-scale wind-turbines. Renewable Energy, 2020, 145, 981-996.	8.9	65
8	Wind Turbine Control Using Nonlinear Economic Model Predictive Control over All Operating Regions. Energies, 2020, 13, 184.	3.1	40
9	Design of MIMO Antenna with an Enhanced Isolation Technique. Electronics (Switzerland), 2020, 9, 1217.	3.1	18
10	Aggregation of EVs for Primary Frequency Control of an Industrial Microgrid by Implementing Grid Regulation & Charger Controller. IEEE Access, 2020, 8, 141977-141989.	4.2	45
11	Detection and Localization the Open and Short Circuit Faults in PV System: A MILP Approach. , 2020, , .		7
12	V2G Strategy for Primary Frequency Control of an Industrial Microgrid Considering the Charging Station Operator. Electronics (Switzerland), 2020, 9, 549.	3.1	41
13	Adaptive and Fuzzy PI Controllers Design for Frequency Regulation of Isolated Microgrid Integrated With Electric Vehicles. IEEE Access, 2020, 8, 87621-87632.	4.2	55
14	Improvement of Power Converters Performance by an Efficient Use of Dead Time Compensation Technique. Applied Sciences (Switzerland), 2020, 10, 3121.	2.5	17
15	Photovoltaic Failure Diagnosis Using Sequential Probabilistic Neural Network Model. IEEE Access, 2020, 8, 220507-220522.	4.2	6
16	Frequency Regulation and optimization of Microgrid System with Multi PV-VSG using Advanced Droop Controller. , 2020, , .		2
17	Implementation of Fractional-order PID Controller Using Industrial DCS with Experimental Validation. , 2020, , .		5
18	Wind Turbines Pitch Controller using Constrained Fuzzy-Receding Horizon Control. , 2019, , .		11

#	ARTICLE	IF	CITATIONS
19	Optimal Power-Gas Flow of Integrated Electricity and Natural Gas System: A Sequential MISOCP Approach. , 2019, , .		8