

Ahmed M Kassem

List of Publications by Year in descending order

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386
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a Hybrid Wind/Photovoltaic Energy System Controlled by Brain Emotional Learning-Based Intelligent Controller. Sustainability, 2022, 14, 4775.	3.2	7
2	From MPC-Based to End-to-End (E2E) Learning-Based Control Policy for Grid-Tied 3L-NPC Transformerless Inverter. IEEE Access, 2022, 10, 57309-57326.	4.2	10
3	A Novel Sooty Terns Algorithm for Deregulated MPC-LFC Installed in Multi-Interconnected System with Renewable Energy Plants. Energies, 2021, 14, 5393.	3.1	6
4	Novel Fuzzy Controller for a Standalone Electric Vehicle Charging Station Supplied by Photovoltaic Energy. Applied System Innovation, 2021, 4, 63.	4.6	10
5	Optimal design of fuzzy PID controller for deregulated LFC of multi-area power system via mine blast algorithm. Neural Computing and Applications, 2020, 32, 4531-4551.	5.6	61
6	Control and analysis of bidirectional interleaved hybrid converter with coupled inductors for electric vehicle applications. Electrical Engineering, 2020, 102, 195-222.	2.0	14
7	Modeling and Control of a Mini Hybrid Hydro Matrix / Wind in Micro Grid Applications. IEEE Access, 2020, 8, 170843-170852.	4.2	4
8	Power optimisation scheme of induction motor using FLC for electric vehicle. IET Electrical Systems in Transportation, 2020, 10, 301-309.	2.4	14
9	Energy-Saving of Battery Electric Vehicle Powertrain and Efficiency Improvement during Different Standard Driving Cycles. Sustainability, 2020, 12, 10466.	3.2	19
10	Power Management Strategy for Battery Electric Vehicles. IET Electrical Systems in Transportation, 2019, 9, 65-74.	2.4	18
11	Design of Microgrid with Flywheel Energy Storage System Using HOMER Software for Case Study. , 2019, , .		13
12	Modeling, Management, and Control of an Autonomous Wind/Fuel Cell Micro-Grid System. Processes, 2019, 7, 85.	2.8	20
13	Energy Management and Control Strategy of DC Microgrid Including Multiple Energy Storage Systems. , 2019, , .		5
14	Antlion optimizer-ANFIS load frequency control for multi-interconnected plants comprising photovoltaic and wind turbine. ISA Transactions, 2019, 87, 282-296.	5.7	93
15	Review, analysis and improving the utilization factor of a PV-grid connected system via HERIC transformerless approach. Renewable and Sustainable Energy Reviews, 2017, 73, 1061-1069.	16.4	26
16	Firefly Optimization Algorithm for the Reactive Power Control of an Isolated Wind-Diesel System. Electric Power Components and Systems, 2017, 45, 1413-1425.	1.8	3
17	Design and modeling of hydro matrix power wheels contain nine wheels by using Matlab simulink. , 2017, , .		1
18	Optimal control of a hybrid renewable wind/ fuel cell energy in micro grid application. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	Optimal Control Based on Maximum Power Point Tracking (MPPT) of an Autonomous Hybrid Photovoltaic/Storage System in Micro Grid Applications. <i>Energies</i> , 2017, 10, 643.	3.1	24
20	Modelling and robust control design of a standalone wind-based energy storage generation unit powering an induction motor-variable displacement pressure-compensated pump. <i>IET Renewable Power Generation</i> , 2016, 10, 275-286.	3.1	23
21	Kalman estimator as a robust solution for output power maximization of wave energy converter. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2015, 10, 390-395.	1.4	3
22	Optimal Control of an Autonomous Variable-speed Wind Generation System Based on a Bacterial Foraging Optimization Technique. <i>Electric Power Components and Systems</i> , 2015, 43, 1006-1017.	1.8	7
23	A Linear Quadratic Gaussian Approach for Power Transfer Maximization of a Point Absorber Wave Energy Converter. <i>Electric Power Components and Systems</i> , 2015, 43, 1173-1181.	1.8	7
24	BFA optimization for voltage and frequency control of a stand-alone wind generation unit. <i>Electrical Engineering</i> , 2015, 97, 313-325.	2.0	9
25	Performance Improvements of a Permanent Magnet Synchronous Machine via Functional Model Predictive Control. <i>Journal of Control Science and Engineering</i> , 2012, 2012, 1-8.	1.0	11