

Mohamed O Badawy

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

494
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1307594

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20
docs citations

20
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Predictive Control for Multi-Port Modular Multilevel Converters in Electric Vehicles Enabling HESDs. IEEE Transactions on Energy Conversion, 2022, 37, 10-23.	5.2	16
2	A Novel Differential Power Processing Architecture for a Partially Shaded PV String Using Distributed Control. IEEE Transactions on Industry Applications, 2021, 57, 1725-1735.	4.9	22
3	Simultaneous Model Based Control of a Non-Inverting Buck-Boost Converter for PFC Applications at a Reduced Current Stress. , 2019, , .		1
4	Application of Model Predictive Control in Modular Multilevel Converter for MTPA operation and SOC Balancing. , 2018, , .		4
5	A Modular Multi-Level Converter for Energy Management of Hybrid Storage System in Electric Vehicles. , 2018, , .		9
6	Power Flow Management of a Grid Tied PV-Battery System for Electric Vehicles Charging. IEEE Transactions on Industry Applications, 2017, 53, 1347-1357.	4.9	145
7	Integrated Control of an IPM Motor Drive and a Novel Hybrid Energy Storage System for Electric Vehicles. IEEE Transactions on Industry Applications, 2017, 53, 5810-5819.	4.9	33
8	State space averaging model of a dual stage converter in discontinuous conduction mode. , 2017, , .		9
9	Differential power processing of photovoltaic systems for high energy capture and reduced cost. , 2017, , .		10
10	Integrated control of an IPM motor drive and hybrid energy storage system for electric vehicles. , 2016, , .		2
11	Battery storage sizing for a grid tied PV system based on operating cost minimization. , 2016, , .		9
12	A Novel Control for a Cascaded Buck-Boost PFC Converter Operating in Discontinuous Capacitor Voltage Mode. IEEE Transactions on Industrial Electronics, 2016, 63, 4198-4210.	7.9	59
13	A partial power processing of battery/ultra-Capacitor hybrid energy storage system for electric vehicles. , 2015, , .		8
14	Power flow management of a grid tied PV-battery powered fast electric vehicle charging station. , 2015, , .		20
15	Performance Analysis of Bidirectional DC-DC Converters for Electric Vehicles. IEEE Transactions on Industry Applications, 2015, 51, 3442-3452.	4.9	98
16	Power factor correction of LED drivers with third port energy storage. , 2015, , .		3
17	Parallel Power Processing Topology for Solar PV Applications. IEEE Transactions on Industry Applications, 2014, 50, 1245-1255.	4.9	35
18	Non-isolated individual MPP trackers for series PV strings through partial current processing technique. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Reliability and cost analysis of solar photovoltaic and fuel cell based microgrids. , 2014, , .		2
20	Design and implementation of a 75 KW mobile charging system for electric vehicles. , 2013, , .		7