

Baochao Wang

List of Publications by Year in descending order

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25
papers

1,146
citations

687220

13
h-index

887953

17
g-index

25
all docs

25
docs citations

25
times ranked

1292
citing authors

#	ARTICLE	IF	CITATIONS
1	Building Integrated Photovoltaic System With Energy Storage and Smart Grid Communication. IEEE Transactions on Industrial Electronics, 2013, 60, 1607-1618.	5.2	269
2	Intelligent DC Microgrid With Smart Grid Communications: Control Strategy Consideration and Design. IEEE Transactions on Smart Grid, 2012, 3, 2148-2156.	6.2	222
3	Building-integrated microgrid: Advanced local energy management for forthcoming smart power grid communication. Energy and Buildings, 2013, 59, 236-243.	3.1	127
4	Zero Voltage Vector Sampling Method for PMSM Three-Phase Current Reconstruction Using Single Current Sensor. IEEE Transactions on Power Electronics, 2017, 32, 3797-3807.	5.4	89
5	Current Control of Grid-Connected Inverter With LCL Filter Based on Extended-State Observer Estimations Using Single Sensor and Achieving Improved Robust Observation Dynamics. IEEE Transactions on Industrial Electronics, 2017, 64, 5428-5439.	5.2	81
6	DC microgrid power flow optimization by multi-layer supervision control. Design and experimental validation. Energy Conversion and Management, 2014, 82, 1-10.	4.4	69
7	Supervision control for optimal energy cost management in DC microgrid: Design and simulation. International Journal of Electrical Power and Energy Systems, 2014, 58, 140-149.	3.3	67
8	Photovoltaic Electricity for Sustainable Building. Efficiency and Energy Cost Reduction for Isolated DC Microgrid. Energies, 2015, 8, 7945-7967.	1.6	40
9	Linear ADRC direct current control of grid-connected inverter with LCL filter for both active damping and grid voltage induced current distortion suppression. IET Power Electronics, 2018, 11, 1748-1755.	1.5	28
10	A Novel Inverter Topology for Brushless DC Motor Drive to Shorten Commutation Time. IEEE Transactions on Industrial Electronics, 2016, 63, 796-807.	5.2	26
11	A Comparative Study on the Switching Performance of GaN and Si Power Devices for Bipolar Complementary Modulated Converter Legs. Energies, 2019, 12, 1146.	1.6	22
12	Power flow Petri Net modelling for building integrated multi-source power system with smart grid interaction. Mathematics and Computers in Simulation, 2013, 91, 119-133.	2.4	21
13	Power management and optimization for isolated DC microgrid. , 2014, , .		19
14	An Indirect Testing Method for the Mechanical Characteristic of Multiunit Permanent-Magnet Synchronous Machines With Concentrated Windings. IEEE Transactions on Industrial Electronics, 2015, 62, 7402-7411.	5.2	14
15	A simple PV constrained production control strategy. , 2012, , .		11
16	Permanent-Magnet Synchronous Motor Sensorless Control Using Proportional-Integral Linear Observer with Virtual Variables: A Comparative Study with a Sliding Mode Observer. Energies, 2019, 12, 877.	1.6	10
17	Data-Driven Digital Direct Position Servo Control by Neural Network With Implicit Optimal Control Law Learned From Discrete Optimal Position Tracking Data. IEEE Access, 2019, 7, 126962-126972.	2.6	9
18	Intelligent DC microgrid with smart grid communications: Control strategy consideration and design. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	A maximum current sharing method for dual-redundancy brushless DC Motor control. , 2014, , .		6
20	A Simple Equivalent Temperature Rise Test Method Suitable for Safely Evaluating Thermal Limits of Motors and Power Devices Without Model Dependence. IEEE Transactions on Industrial Electronics, 2020, 67, 8755-8766.	5.2	5
21	LCL Filter Design and Implementation for Improving Transient Position Tracking Control Performance of Voice Coil Motor. IEEE Access, 2020, 8, 4963-4971.	2.6	3
22	Evaluating and handling parameter variation influence on status estimation of LCL filter for grid connected inverters. , 2017, , .		1
23	Research on Fractional Slot Permanent Magnet Synchronous Motors with Asymmetric Winding. , 2019, , .		1
24	Energetic macroscopic representation and inversion-based control of DC micro-grid. , 2013, , .		0
25	Study on Rapid Electromagnetic Braking of BLDC Motors Used in Automatic Top Load Washers under Direct Driving. , 2019, , .		0