

# Xiaoqing Han

## List of Publications by Year in descending order

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47  
papers

351  
citations

1478505

6  
h-index

940533

16  
g-index

47  
all docs

47  
docs citations

47  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive virtual impedance control based on second-order generalized integral for circulating current suppression. Journal of Power Electronics, 2021, 21, 13-26.	1.5	2
2	Research on Optimal Dispatching of DC Microgrid Considering the Demands of Electric Vehicle Users. , 2021, , .		0
3	The suppression of DC-link voltage fluctuations through a source active current feedforward in the active power filter. IET Power Electronics, 2021, 14, 481-491.	2.1	4
4	Short-term reliability evaluation of integrated electricity and gas systems considering dynamics of gas flow. IET Generation, Transmission and Distribution, 2021, 15, 2857-2871.	2.5	5
5	Fault Diagnosis of Main Pump in Converter Station Based on Deep Neural Network. Symmetry, 2021, 13, 1284.	2.2	5
6	Evaluation Model of Operation State Based on Deep Learning for Smart Meter. Energies, 2021, 14, 4674.	3.1	3
7	Two-Stage Optimal Dispatch for AC/DC Hybrid Microgrid Based on Model Predictive Control. , 2021, , .		0
8	Electricity Price Prediction Based on Empirical Mode Decomposition and Minimum Gated Memory Network Quantile Regression. , 2021, , .		0
9	Cost Optimization of Park Integrated Energy System Considering Combined Demand Response and Multiple Different Operating Scenarios. , 2021, , .		0
10	Enhanced robustness with damping interval widening strategy of LCL-type converter under weak grid condition. Journal of Power Electronics, 2020, 20, 410-427.	1.5	5
11	Coordinated control of series compensation link and bus interface converter in the AC-DC hybrid microgrid. Journal of Power Electronics, 2020, 20, 590-600.	1.5	6
12	Temporally Coordinated Energy Management for AC/DC Hybrid Microgrid Considering Dynamic Conversion Efficiency of Bidirectional AC/DC Converter. IEEE Access, 2020, 8, 70878-70889.	4.2	21
13	Design criterion and guidelines for three-phase asymmetric coupled inductors in interleaving DC/DC converter for VRM in data centres and POL. IET Power Electronics, 2020, 13, 2854-2865.	2.1	2
14	Hierarchical Dispatch Optimization for Intelligent Community Considering Electricity Evaluation. , 2020, , .		0
15	Direct current control strategy of LCL-type converter for harmonic suppression LCL under distorted grid condition. IET Power Electronics, 2020, 13, 3922-3930.	2.1	3
16	Constrained Optimization of Multicast Routing for Wide Area Control of Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 3801-3808.	9.0	31
17	Home Energy Management System Incorporating Heat Pump Using Real Measured Data. Sensors, 2019, 19, 2937.	3.8	9
18	A Generalized and Mode-Adaptive Approach to the Power Flow Analysis of the Isolated Hybrid AC/DC Microgrids. Energies, 2019, 12, 2253.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Virtual Synchronous Machine Control Strategy for Interface Converter in Hybrid Micro-grid. , 2019, , .		0
20	Capacitor Voltage Optimization Balance Control for Modular Multilevel Converter Based on Carrier Phase-shift Modulation. , 2019, , .		0
21	Analysis of Magnetizing inrush characteristics of electrified railway and its influence on grid voltage. , 2018, , .		1
22	The Bidirectional AC/DC Power Converter with Capability of Suppressing the Harmonic Current in Hybrid Micro Grid. , 2018, , .		5
23	Influence of traction transformer with different connection forms on power quality of the grid. , 2018, , .		1
24	Battery Energy Storage Selection Based on a Novel Intermittent Wind Speed Model for Improving Power System Dynamic Reliability. , 2018, , .		0
25	Home energy management system incorporating heat pump. , 2018, , .		1
26	A novel power control method for a grid-off hybrid microgrid with better dynamic performance. , 2018, , .		0
27	Hybrid control strategy of grid-tied inverter for harmonic and reactive power compensation. , 2018, , .		4
28	Distribution network voltage control by active power/reactive power injection from PV inverters. , 2018, , .		12
29	Hierarchical control strategy of hybrid energy storage system in bipolar-type DC micro-grid. , 2017, , .		1
30	Coordinated control strategy for a DC microgrid with two-level bus voltage. , 2017, , .		3
31	Modelling of large-scale wind/solar hybrid system and influence analysis on power system transient voltage stability. , 2017, , .		6
32	Reliability and efficiency-based energy storage sizing from the aspect of system frequency. , 2016, , .		0
33	An improved control strategy for three-phase four-wire active power filter based on vector-resonant control. , 2016, , .		1
34	Design of secondary voltage regulation system of DC microgrid based on vanadium redox battery storages. , 2016, , .		0
35	The influence factors analysis of the best orientation relative to the sun for dual-axis sun tracking system. JVC/Journal of Vibration and Control, 2015, 21, 328-334.	2.6	5
36	Two-level energy management system for coordination control of microgrid. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Frequency aspects of power system operational reliability. , 2014, , .		0
38	Advanced dynamic voltage restorer to improve power quality in microgrid. , 2013, , .		6
39	A Fast Contingency Screening Technique for Generation System Reliability Evaluation. IEEE Transactions on Power Systems, 2013, 28, 4127-4133.	6.5	29
40	Improved Modulation Schemes for Indirect Z-source Matrix Converter With Sinusoidal Input and Output Waveforms. IEEE Transactions on Power Electronics, 2012, 27, 4039-4050.	7.9	60
41	Power system reliability based on voltage weakest bus identification. , 2011, , .		5
42	Reactive Power Aspects in Reliability Assessment of Power Systems. IEEE Transactions on Power Systems, 2011, 26, 85-92.	6.5	73
43	Adequacy study of wind farms considering reliability and wake effect of WTGs. , 2011, , .		13
44	Optimum control and simulation for a grid-connected photovoltaic system. , 2010, , .		0
45	Reliability assessment of power system containing wind farm based on steady-state power flow. , 2010, , .		4
46	Small Signal Stability Analysis on Power System Considering Load Characteristics. , 2009, , .		6
47	Reliability assessment of power systems considering reactive power sources. , 2009, , .		12