Xiaogang Wu

List of Publications by Year in Descending Order

39 papers	364 citations	12 h-index	17 g-index
47 ext. papers	559 ext. citations	4.2 avg, IF	4.27 L-index

#	Paper	IF	Citations
39	Switched-capacitor-based high-gain DCDC converter for fuel cell vehicle powertrain. *Journal of Power Electronics*, **2022**, 22, 557	0.9	0
38	Boundary conditions for Onboard thermal-management system of a battery pack under ultrafast charging. *Energy*, **2022**, 243, 123075	7.9	0
37	Review of DC-DC Converter Topologies Based on Impedance Network with Wide Input Voltage Range and High Gain for Fuel Cell Vehicles. *Automotive Innovation*, **2021**, 4, 351	1.7	3
36	Research on Zero Voltage Switching Non-inductive Current Circulation Control of Bidirectional DC/DC Converter for Hybrid Energy Source System of Electric Vehicle. *Journal of Electrical Engineering and Technology*, **2021**, 16, 873-887	1.4	1
35	Parameter adaptive terminal sliding mode control for Full-Bridge DC-DC converter. *PLoS ONE*, **2021**, 16, e0247228	3.7	1
34	Review and Development of Electric Motor Systems and Electric Powertrains for New Energy Vehicles. *Automotive Innovation*, **2021**, 4, 3-22	1.7	20
33	Comprehensive early warning strategies based on consistency deviation of thermal-electrical characteristics for energy storage grid. *IScience*, **2021**, 24, 103058	6.1	1
32	Analysis of Influencing Factors of Thermal Management System for LiFePO4 Lithium Battery under High Power Charging. *World Electric Vehicle Journal*, **2020**, 11, 44	2.5	2
31	Effect of charge rate on capacity degradation of LiFePO4 power battery at low temperature. *International Journal of Energy Research*, **2020**, 44, 1775-1788	4.5	14
30	The sequential algorithm for combined state of charge and state of health estimation of lithium-ion battery based on active current injection. *Energy*, **2020**, 193, 116732	7.9	29
29	Preheating strategy of variable-frequency pulse for lithium battery in cold weather. *International Journal of Energy Research*, **2020**, 44, 10724-10738	4.5	4
28	Study on the Capacity Fading Effect of Low-Rate Charging on Lithium-Ion Batteries in Low-Temperature Environment. *World Electric Vehicle Journal*, **2020**, 11, 55	2.5	4
27	A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 12763-12774	6.8	12
26	Research on Composite Control Strategy of Quasi-Z-Source DCDC Converter for Fuel Cell Vehicles. *Applied Sciences (Switzerland)*, **2019**, 9, 3309	2.6	4
25	Impact of high-power charging on the durability and safety of lithium batteries used in long-range battery electric vehicles. *Applied Energy*, **2019**, 255, 113793	10.7	24
24	Dual-Switch Boost DCDC Converter for Use in Fuel-Cell-Powered Vehicles. *IEEE Access*, **2019**, 7, 74081-74088	3.9	8
23	Boundaries of high-power charging for long-range battery electric car from the heat generation perspective. *Energy*, **2019**, 182, 211-223	7.9	9

22	Torque Optimal Allocation Strategy of All-Wheel Drive Electric Vehicle Based on Difference of Efficiency Characteristics between Axis Motors. *Energies*, **2019**, 12, 1122	3.1	6
21	Evaluating the technological evolution of battery electric buses: China as a case. *Energy*, **2019**, 176, 309-319	7.9	29
20	Technological direction prediction for battery electric bus under influence of China's new subsidy scheme. *Journal of Cleaner Production*, **2019**, 222, 267-279	10.3	14
19	Control Strategy for Active Hierarchical Equalization Circuits of Series Battery Packs. *Energies*, **2019**, 12, 2071	3.1	9
18	Feedforward-Double Feedback Control System of Dual-Switch Boost DC/DC Converters for Fuel Cell Vehicles. *Energies*, **2019**, 12, 2886	3.1	1
17	PMSM Vector Control Strategy Based on Active Disturbance Rejection Controller. *Energies*, **2019**, 12, 3827	3.1	7
16	Field Weakening Operation Control Strategies of PMSM Based on Feedback Linearization. *Energies*, **2019**, 12, 4526	3.1	7
15	Current Profile Optimization for Combined State of Charge and State of Health Estimation of Lithium Ion Battery Based on Cramer–Rao Bound Analysis. *IEEE Transactions on Power Electronics*, **2019**, 34, 7067-7078	7.2	34
14	State of Charge Estimation of Lithium-Ion Batteries Over Wide Temperature Range Using Unscented Kalman Filter. *IEEE Access*, **2018**, 6, 41993-42003	3.5	39
13	(L^{infty }) error bound of conservative compact difference scheme for the generalized symmetric regularized long-wave (GSRLW) equations. *Computational and Applied Mathematics*, **2018**, 37, 2816-2836		7
12	Optimal Operation of Residential Microgrids in the Harbin Area. *IEEE Access*, **2018**, 6, 30726-30736	3.5	5
11	Multi-Objective Optimal Charging Method for Lithium-Ion Batteries. *Energies*, **2017**, 10, 1271	3.1	15
10	Determination of the Optimum Heat Transfer Coefficient and Temperature Rise Analysis for a Lithium-Ion Battery under the Conditions of Harbin City Bus Driving Cycles. *Energies*, **2017**, 10, 1723	3.1	12
9	Analysis of Low Temperature Preheating Effect Based on Battery Temperature-Rise Model. *Energies*, **2017**, 10, 1121	3.1	12
8	Design of an electric vehicle battery box based on electric-thermal model **2016**,		1
7	Molecular cloning and functional analysis of a H(+)-dependent phosphate transporter gene from the ectomycorrhizal fungus Boletus edulis in southwest China. *Fungal Biology*, **2014**, 118, 453-61	2.8	17
6	Economy analysis of extended range electric vehicle in different control strategies **2013**,		1
5	Comparison of different driving cycles control effects of an extended-range electric bus **2013**,		2

4	Simulation research of energy management strategy for range extended electric bus **2012**,		3
3	Pattern matching and simulation research of extended range electric vehicle **2011**,		2
2	A Non-isolated High-gain DC/DC Converter Suitable for Fuel Cell Vehicles. *Journal of Electrical Engineering and Technology*,1	1.4	2
1	Evaluation of the influence of high-power charging cycles on the capacity degradation of lithium-ion batteries under various temperatures. *Transactions of the Institute of Measurement and Control*,014233122110585	1.8	1