Yujie Wang

List of Publications by Year in descending order

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Version: 2024-02-01

64	5,801	57758	118850
papers	citations	44 h-index	62 g-index

67	67	67	2739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital twin and cloud-side-end collaboration for intelligent battery management system. Journal of Manufacturing Systems, 2022, 62, 124-134.	13.9	87
2	Optimization of battery charging strategy based on nonlinear model predictive control. Energy, 2022, 241, 122877.	8.8	27
3	Parameter identification of reduced-order electrochemical model simplified by spectral methods and state estimation based on square-root cubature Kalman filter. Journal of Energy Storage, 2022, 46, 103828.	8.1	21
4	Low temperature preheating techniques for Lithium-ion batteries: Recent advances and future challenges. Applied Energy, 2022, 313, 118832.	10.1	100
5	An improved single particle model for lithium-ion batteries based on main stress factor compensation. Journal of Cleaner Production, 2021, 278, 123456.	9.3	35
6	Dynamic Bayesian Network-Based Lithium-Ion Battery Health Prognosis for Electric Vehicles. IEEE Transactions on Industrial Electronics, 2021, 68, 10949-10958.	7.9	59
7	Capacity attenuation mechanism modeling and health assessment of lithium-ion batteries. Energy, 2021, 221, 119682.	8.8	84
8	Sizing Optimization and Energy Management Strategy for Hybrid Energy Storage System Using Multiobjective Optimization and Random Forests. IEEE Transactions on Power Electronics, 2021, 36, 11421-11430.	7.9	61
9	Reconstruction of the incremental capacity trajectories from current-varying profiles for lithium-ion batteries. IScience, 2021, 24, 103103.	4.1	26
10	Run-to-Run Control for Active Balancing of Lithium Iron Phosphate Battery Packs. IEEE Transactions on Power Electronics, 2020, 35, 1499-1512.	7.9	61
11	A fractional-order model-based state estimation approach for lithium-ion battery and ultra-capacitor hybrid power source system considering load trajectory. Journal of Power Sources, 2020, 449, 227543.	7.8	111
12	A framework for state-of-charge and remaining discharge time prediction using unscented particle filter. Applied Energy, 2020, 260, 114324.	10.1	132
13	A Power Distribution Strategy for Hybrid Energy Storage System Using Adaptive Model Predictive Control. IEEE Transactions on Power Electronics, 2020, 35, 5897-5906.	7.9	52
14	Performance degradation prediction of proton exchange membrane fuel cell using a hybrid prognostic approach. International Journal of Hydrogen Energy, 2020, 45, 30994-31008.	7.1	53
15	A comprehensive review of battery modeling and state estimation approaches for advanced battery management systems. Renewable and Sustainable Energy Reviews, 2020, 131, 110015.	16.4	631
16	Experimental study of fractional-order models for lithium-ion battery and ultra-capacitor: Modeling, system identification, and validation. Applied Energy, 2020, 278, 115736.	10.1	83
17	Min-max game based energy management strategy for fuel cell/supercapacitor hybrid electric vehicles. Applied Energy, 2020, 267, 115086.	10.1	67
18	Health degradation assessment of proton exchange membrane fuel cell based on an analytical equivalent circuit model. Energy, 2020, 207, 118185.	8.8	28

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19	Consistency evaluation and cluster analysis for lithium-ion battery pack in electric vehicles. Energy, 2020, 194, 116944.	8.8	58
20	Sensor fault diagnosis for lithium-ion battery packs based on thermal and electrical models. International Journal of Electrical Power and Energy Systems, 2020, 121, 106087.	5.5	30
21	Robust fault diagnosis and fault tolerant control for PEMFC system based on an augmented LPV observer. International Journal of Hydrogen Energy, 2020, 45, 13508-13522.	7.1	35
22	A review of key issues for control and management in battery and ultra-capacitor hybrid energy storage systems. ETransportation, 2020, 4, 100064.	14.8	134
23	Energy management strategy for battery/supercapacitor/fuel cell hybrid source vehicles based on finite state machine. Applied Energy, 2019, 254, 113707.	10.1	164
24	Load-adaptive real-time energy management strategy for battery/ultracapacitor hybrid energy storage system using dynamic programming optimization. Journal of Power Sources, 2019, 438, 227024.	7.8	82
25	Rule-based energy management strategy of a lithium-ion battery, supercapacitor and PEM fuel cell system. Energy Procedia, 2019, 158, 2555-2560.	1.8	35
26	Model migration based battery power capability evaluation considering uncertainties of temperature and aging. Journal of Power Sources, 2019, 440, 227141.	7.8	60
27	A comparative study of power allocation strategies used in fuel cell and ultracapacitor hybrid systems. Energy, 2019, 189, 116142.	8.8	57
28	Multiple-grained velocity prediction and energy management strategy for hybrid propulsion systems. Journal of Energy Storage, 2019, 26, 100950.	8.1	30
29	Adaptive energy management strategy for fuel cell/battery hybrid vehicles using Pontryagin's Minimal Principle. Journal of Power Sources, 2019, 440, 227105.	7.8	123
30	Development of energy management system based on a rule-based power distribution strategy for hybrid power sources. Energy, 2019, 175, 1055-1066.	8.8	118
31	Model based insulation fault diagnosis for lithium-ion battery pack in electric vehicles. Measurement: Journal of the International Measurement Confederation, 2019, 131, 443-451.	5.0	77
32	A novel framework for Lithium-ion battery modeling considering uncertainties of temperature and aging. Energy Conversion and Management, 2019, 180, 162-170.	9.2	145
33	Degradation model and cycle life prediction for lithium-ion battery used in hybrid energy storage system. Energy, 2019, 166, 796-806.	8.8	121
34	Multi-timescale power and energy assessment of lithium-ion battery and supercapacitor hybrid system using extended Kalman filter. Journal of Power Sources, 2018, 389, 93-105.	7.8	79
35	A novel approach of battery pack state of health estimation using artificial intelligence optimization algorithm. Journal of Power Sources, 2018, 376, 191-199.	7.8	98
36	A real-time insulation detection method for battery packs used in electric vehicles. Journal of Power Sources, 2018, 385, 1-9.	7.8	22

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37	A novel Gaussian process regression model for state-of-health estimation of lithium-ion battery using charging curve. Journal of Power Sources, 2018, 384, 387-395.	7.8	475
38	A novel method for lithium-ion battery state of energy and state of power estimation based on multi-time-scale filter. Applied Energy, 2018, 216, 442-451.	10.1	95
39	State-of-health estimation for the lithium-ion battery based on support vector regression. Applied Energy, 2018, 227, 273-283.	10.1	157
40	Power capability evaluation for lithium iron phosphate batteries based on multi-parameter constraints estimation. Journal of Power Sources, 2018, 374, 12-23.	7.8	68
41	A variable capacitance based modeling and power capability predicting method for ultracapacitor. Journal of Power Sources, 2018, 374, 121-133.	7.8	34
42	Multi-timescale Power and Energy Assessment for Lithium-ion Battery and Supercapacitor Hybrid Energy Storage System. , 2018, , .		0
43	On-line remaining energy prediction: A case study in embedded battery management system. Applied Energy, 2017, 194, 688-695.	10.1	62
44	On-line battery state-of-charge estimation based on an integrated estimator. Applied Energy, 2017, 185, 2026-2032.	10.1	75
45	A novel approach of remaining discharge energy prediction for large format lithium-ion battery pack. Journal of Power Sources, 2017, 343, 216-225.	7.8	50
46	Modeling and state-of-charge prediction of lithium-ion battery and ultracapacitor hybrids with a co-estimator. Energy, 2017, 121, 739-750.	8.8	156
47	Remaining Useful Life Prediction of Lithium-ion Battery Based on Discrete Wavelet Transform. Energy Procedia, 2017, 105, 2053-2058.	1.8	38
48	A Neural Network Based State-of-Health Estimation of Lithium-ion Battery in Electric Vehicles. Energy Procedia, 2017, 105, 2059-2064.	1.8	109
49	Experimental data of lithium-ion battery and ultracapacitor under DST and UDDS profiles at room temperature. Data in Brief, 2017, 12, 161-163.	1.0	28
50	Power capability prediction for lithium-ion batteries based on multiple constraints analysis. Electrochimica Acta, 2017, 238, 120-133.	5.2	31
51	Model-based remaining discharge energy estimation of lithium-ion batteries. , 2017, , .		2
52	Behavior data of battery and battery pack SOC estimation under different working conditions. Data in Brief, 2016, 9, 737-740.	1.0	5
53	Probability based remaining capacity estimation using data-driven and neural network model. Journal of Power Sources, 2016, 315, 199-208.	7.8	101
54	Model-based State-of-energy Estimation of Lithium-ion Batteries in Electric Vehicles. Energy Procedia, 2016, 88, 998-1004.	1.8	26

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55	A novel state of health estimation method of Li-ion battery using group method of data handling. Journal of Power Sources, 2016, 327, 457-464.	7.8	186
56	An on-line estimation of battery pack parameters and state-of-charge using dual filters based on pack model. Energy, 2016, 115, 219-229.	8.8	99
57	An adaptive remaining energy prediction approach for lithium-ion batteries in electric vehicles. Journal of Power Sources, 2016, 305, 80-88.	7.8	97
58	State-of-charge Estimation of Lithium-ion Batteries Based on Multiple Filters Method. Energy Procedia, 2015, 75, 2635-2640.	1.8	15
59	A method for state-of-charge estimation of LiFePO4 batteries at dynamic currents and temperatures using particle filter. Journal of Power Sources, 2015, 279, 306-311.	7.8	194
60	A method for state-of-charge estimation of LiFePO4 batteries based on a dual-circuit state observer. Journal of Power Sources, 2015, 296, 23-29.	7.8	118
61	A novel active equalization method for lithium-ion batteries in electric vehicles. Applied Energy, 2015, 145, 36-42.	10.1	122
62	A method for state-of-charge estimation of Li-ion batteries based on multi-model switching strategy. Applied Energy, 2015, 137, 427-434.	10.1	92
63	A method for joint estimation of state-of-charge and available energy of LiFePO 4 batteries. Applied Energy, 2014, 135, 81-87.	10.1	176
64	A framework for battery internal temperature and state-of-charge estimation based on fractional-order thermoelectric model. Transactions of the Institute of Measurement and Control, 0, , 014233122110672.	1.7	3