

Rui Xiong

List of Publications by Year in descending order

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198
papers

19,616
citations

7096

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135
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all docs

210
docs citations

210
times ranked

7991
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Lithium-Ion Battery Equivalent Circuit Models for State of Charge Estimation by an Experimental Approach. <i>Energies</i> , 2011, 4, 582-598.	3.1	790
2	Long Short-Term Memory Recurrent Neural Network for Remaining Useful Life Prediction of Lithium-Ion Batteries. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 5695-5705.	6.3	723
3	Critical Review on the Battery State of Charge Estimation Methods for Electric Vehicles. <i>IEEE Access</i> , 2018, 6, 1832-1843.	4.2	606
4	State-of-Charge Estimation of the Lithium-Ion Battery Using an Adaptive Extended Kalman Filter Based on an Improved Thevenin Model. <i>IEEE Transactions on Vehicular Technology</i> , 2011, 60, 1461-1469.	6.3	597
5	Towards a smarter battery management system: A critical review on battery state of health monitoring methods. <i>Journal of Power Sources</i> , 2018, 405, 18-29.	7.8	577
6	Rule based energy management strategy for a series-parallel plug-in hybrid electric bus optimized by dynamic programming. <i>Applied Energy</i> , 2017, 185, 1633-1643.	10.1	494
7	A data-driven multi-scale extended Kalman filtering based parameter and state estimation approach of lithium-ion polymer battery in electric vehicles. <i>Applied Energy</i> , 2014, 113, 463-476.	10.1	437
8	Reinforcement learning-based real-time power management for hybrid energy storage system in the plug-in hybrid electric vehicle. <i>Applied Energy</i> , 2018, 211, 538-548.	10.1	416
9	Online model-based estimation of state-of-charge and open-circuit voltage of lithium-ion batteries in electric vehicles. <i>Energy</i> , 2012, 39, 310-318.	8.8	393
10	Comparison study on the battery models used for the energy management of batteries in electric vehicles. <i>Energy Conversion and Management</i> , 2012, 64, 113-121.	9.2	374
11	Evaluation on State of Charge Estimation of Batteries With Adaptive Extended Kalman Filter by Experiment Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2013, 62, 108-117.	6.3	342
12	Adaptive energy management of a plug-in hybrid electric vehicle based on driving pattern recognition and dynamic programming. <i>Applied Energy</i> , 2015, 155, 68-78.	10.1	325
13	Ultra-high-voltage Ni-rich layered cathodes in practical Li metal batteries enabled by a sulfonamide-based electrolyte. <i>Nature Energy</i> , 2021, 6, 495-505.	39.5	323
14	Online estimation of model parameters and state-of-charge of LiFePO ₄ batteries in electric vehicles. <i>Applied Energy</i> , 2012, 89, 413-420.	10.1	322
15	Lithium-ion battery aging mechanisms and diagnosis method for automotive applications: Recent advances and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110048.	16.4	312
16	Lithium-Ion Battery Health Prognosis Based on a Real Battery Management System Used in Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 4110-4121.	6.3	269
17	A systematic state-of-charge estimation framework for multi-cell battery pack in electric vehicles using bias correction technique. <i>Applied Energy</i> , 2016, 162, 1399-1409.	10.1	263
18	A novel method to obtain the open circuit voltage for the state of charge of lithium ion batteries in electric vehicles by using H infinity filter. <i>Applied Energy</i> , 2017, 207, 346-353.	10.1	233

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19	Model predictive control for power management in a plug-in hybrid electric vehicle with a hybrid energy storage system. <i>Applied Energy</i> , 2017, 185, 1654-1662.	10.1	222
20	A Double-Scale, Particle-Filtering, Energy State Prediction Algorithm for Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1526-1538.	7.9	218
21	Particle swarm optimization-based optimal power management of plug-in hybrid electric vehicles considering uncertain driving conditions. <i>Energy</i> , 2016, 96, 197-208.	8.8	210
22	A Lithium-Ion Battery-in-the-Loop Approach to Test and Validate Multiscale Dual H Infinity Filters for State-of-Charge and Capacity Estimation. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 332-342.	7.9	207
23	Research progress, challenges and prospects of fault diagnosis on battery system of electric vehicles. <i>Applied Energy</i> , 2020, 279, 115855.	10.1	207
24	Energy management of a power-split plug-in hybrid electric vehicle based on genetic algorithm and quadratic programming. <i>Journal of Power Sources</i> , 2014, 248, 416-426.	7.8	203
25	A systematic model-based degradation behavior recognition and health monitoring method for lithium-ion batteries. <i>Applied Energy</i> , 2017, 207, 372-383.	10.1	201
26	A data-driven based adaptive state of charge estimator of lithium-ion polymer battery used in electric vehicles. <i>Applied Energy</i> , 2014, 113, 1421-1433.	10.1	196
27	Fractional-Order Model-Based Incremental Capacity Analysis for Degradation State Recognition of Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 1576-1584.	7.9	188
28	Design/test of a hybrid energy storage system for primary frequency control using a dynamic droop method in an isolated microgrid power system. <i>Applied Energy</i> , 2017, 201, 257-269.	10.1	186
29	A Novel Fractional Order Model for State of Charge Estimation in Lithium Ion Batteries. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 4130-4139.	6.3	186
30	An electrochemical model based degradation state identification method of Lithium-ion battery for all-climate electric vehicles application. <i>Applied Energy</i> , 2018, 219, 264-275.	10.1	181
31	A data-driven adaptive state of charge and power capability joint estimator of lithium-ion polymer battery used in electric vehicles. <i>Energy</i> , 2013, 63, 295-308.	8.8	178
32	A novel dual-scale cell state-of-charge estimation approach for series-connected battery pack used in electric vehicles. <i>Journal of Power Sources</i> , 2015, 274, 582-594.	7.8	178
33	Lithium-Ion Battery Pack State of Charge and State of Energy Estimation Algorithms Using a Hardware-in-the-Loop Validation. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 4421-4431.	7.9	178
34	Lithium-Ion Battery Parameters and State-of-Charge Joint Estimation Based on H-Infinity and Unscented Kalman Filters. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 8693-8701.	6.3	177
35	Model-based state of charge and peak power capability joint estimation of lithium-ion battery in plug-in hybrid electric vehicles. <i>Journal of Power Sources</i> , 2013, 229, 159-169.	7.8	173
36	A novel multi-model probability battery state of charge estimation approach for electric vehicles using H-infinity algorithm. <i>Applied Energy</i> , 2016, 166, 76-83.	10.1	170

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37	A Sensor Fault Diagnosis Method for a Lithium-Ion Battery Pack in Electric Vehicles. IEEE Transactions on Power Electronics, 2019, 34, 9709-9718.	7.9	170
38	Study of the Characteristics of Battery Packs in Electric Vehicles With Parallel-Connected Lithium-Ion Battery Cells. IEEE Transactions on Industry Applications, 2015, 51, 1872-1879.	4.9	166
39	A robust state-of-charge estimator for multiple types of lithium-ion batteries using adaptive extended Kalman filter. Journal of Power Sources, 2013, 243, 805-816.	7.8	164
40	Model-based dynamic multi-parameter method for peak power estimation of lithium-ion batteries. Applied Energy, 2012, 96, 378-386.	10.1	159
41	Lithium-Ion Battery Remaining Useful Life Prediction With Box-Cox Transformation and Monte Carlo Simulation. IEEE Transactions on Industrial Electronics, 2019, 66, 1585-1597.	7.9	159
42	State-of-charge estimation of lithium-ion battery using an improved neural network model and extended Kalman filter. Journal of Cleaner Production, 2019, 234, 1153-1164.	9.3	157
43	State-of-Health Estimation Based on Differential Temperature for Lithium Ion Batteries. IEEE Transactions on Power Electronics, 2020, 35, 10363-10373.	7.9	156
44	Deep neural network battery charging curve prediction using 30 points collected in 10 min. Joule, 2021, 5, 1521-1534.	24.0	152
45	State-of-charge estimation of LiFePO4 batteries in electric vehicles: A deep-learning enabled approach. Applied Energy, 2021, 291, 116812.	10.1	151
46	Model-based fault diagnosis approach on external short circuit of lithium-ion battery used in electric vehicles. Applied Energy, 2016, 184, 365-374.	10.1	150
47	A fractional-order model-based battery external short circuit fault diagnosis approach for all-climate electric vehicles application. Journal of Cleaner Production, 2018, 187, 950-959.	9.3	142
48	Towards a smarter battery management system: A critical review on optimal charging methods of lithium ion batteries. Energy, 2019, 183, 220-234.	8.8	141
49	Towards a smarter hybrid energy storage system based on battery and ultracapacitor - A critical review on topology and energy management. Journal of Cleaner Production, 2018, 202, 1228-1240.	9.3	139
50	Adaptive state of charge estimator for lithium-ion cells series battery pack in electric vehicles. Journal of Power Sources, 2013, 242, 699-713.	7.8	129
51	A novel fractional order model based state-of-charge estimation method for lithium-ion battery. Applied Energy, 2017, 207, 384-393.	10.1	128
52	Estimation of state-of-charge and state-of-power capability of lithium-ion battery considering varying health conditions. Journal of Power Sources, 2014, 259, 166-176.	7.8	127
53	Online Fault Diagnosis of External Short Circuit for Lithium-Ion Battery Pack. IEEE Transactions on Industrial Electronics, 2020, 67, 1081-1091.	7.9	125
54	Electrode ageing estimation and open circuit voltage reconstruction for lithium ion batteries. Energy Storage Materials, 2021, 37, 283-295.	18.0	124

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55	Toward a Safer Battery Management System: A Critical Review on Diagnosis and Prognosis of Battery Short Circuit. <i>IScience</i> , 2020, 23, 101010.	4.1	122
56	The state of the art on preheating lithium-ion batteries in cold weather. <i>Journal of Energy Storage</i> , 2020, 27, 101059.	8.1	120
57	Temperature rise prediction of lithium-ion battery suffering external short circuit for all-climate electric vehicles application. <i>Applied Energy</i> , 2018, 213, 375-383.	10.1	118
58	A double-scale and adaptive particle filter-based online parameter and state of charge estimation method for lithium-ion batteries. <i>Energy</i> , 2018, 144, 789-799.	8.8	118
59	Energy management strategy research on a hybrid power system by hardware-in-loop experiments. <i>Applied Energy</i> , 2013, 112, 1311-1317.	10.1	117
60	Battery durability and longevity based power management for plug-in hybrid electric vehicle with hybrid energy storage system. <i>Applied Energy</i> , 2016, 179, 316-328.	10.1	116
61	Online Estimation of Peak Power Capability of Li-Ion Batteries in Electric Vehicles by a Hardware-in-Loop Approach. <i>Energies</i> , 2012, 5, 1455-1469.	3.1	109
62	Online Estimation of Power Capacity With Noise Effect Attenuation for Lithium-Ion Battery. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 5724-5735.	7.9	109
63	Optimal Energy Management Strategy of a Plug-in Hybrid Electric Vehicle Based on a Particle Swarm Optimization Algorithm. <i>Energies</i> , 2015, 8, 3661-3678.	3.1	108
64	Model-Based Dynamic Power Assessment of Lithium-Ion Batteries Considering Different Operating Conditions. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 1948-1959.	11.3	107
65	Pathways for sustainable energy transition. <i>Journal of Cleaner Production</i> , 2019, 228, 1564-1571.	9.3	106
66	An on-line predictive energy management strategy for plug-in hybrid electric vehicles to counter the uncertain prediction of the driving cycle. <i>Applied Energy</i> , 2017, 185, 1663-1672.	10.1	105
67	Real-time estimation of battery state-of-charge with unscented Kalman filter and RTOS $\hat{1}/4$ COS-II platform. <i>Applied Energy</i> , 2016, 162, 1410-1418.	10.1	100
68	A novel Gaussian model based battery state estimation approach: State-of-Energy. <i>Applied Energy</i> , 2015, 151, 41-48.	10.1	99
69	A novel approach to reconstruct open circuit voltage for state of charge estimation of lithium ion batteries in electric vehicles. <i>Applied Energy</i> , 2019, 255, 113758.	10.1	99
70	Validation and verification of a hybrid method for remaining useful life prediction of lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2019, 212, 240-249.	9.3	98
71	Pontryagin's Minimum Principle-based power management of a dual-motor-driven electric bus. <i>Applied Energy</i> , 2015, 159, 370-380.	10.1	97
72	Battery and ultracapacitor in-the-loop approach to validate a real-time power management method for an all-climate electric vehicle. <i>Applied Energy</i> , 2018, 217, 153-165.	10.1	97

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73	Analytical and Experimental Evaluation of SiC-Inverter Nonlinearities for Traction Drives Used in Electric Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 146-159.	6.3	96
74	A review on state of health estimation for lithium ion batteries in photovoltaic systems. ETransportation, 2019, 2, 100028.	14.8	95
75	A novel method on estimating the degradation and state of charge of lithium-ion batteries used for electrical vehicles. Applied Energy, 2017, 207, 336-345.	10.1	91
76	A novel echelon internal heating strategy of cold batteries for all-climate electric vehicles application. Applied Energy, 2018, 219, 256-263.	10.1	91
77	Characterization of external short circuit faults in electric vehicle Li-ion battery packs and prediction using artificial neural networks. Applied Energy, 2020, 260, 114253.	10.1	86
78	Flexible battery state of health and state of charge estimation using partial charging data and deep learning. Energy Storage Materials, 2022, 51, 372-381.	18.0	84
79	A study on the impact of open circuit voltage tests on state of charge estimation for lithium-ion batteries. Applied Energy, 2017, 205, 892-902.	10.1	83
80	Extreme Learning Machine-Based Thermal Model for Lithium-Ion Batteries of Electric Vehicles under External Short Circuit. Engineering, 2021, 7, 395-405.	6.7	82
81	Aging characteristics-based health diagnosis and remaining useful life prognostics for lithium-ion batteries. ETransportation, 2019, 1, 100004.	14.8	81
82	Battery state-of-charge estimation amid dynamic usage with physics-informed deep learning. Energy Storage Materials, 2022, 50, 718-729.	18.0	79
83	A Comparative Study on Open Circuit Voltage Models for Lithium-ion Batteries. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, .	3.7	72
84	Multi-model probabilities based state fusion estimation method of lithium-ion battery for electric vehicles: State-of-energy. Applied Energy, 2017, 194, 560-568.	10.1	71
85	The impact of electric vehicle penetration and charging patterns on the management of energy hub "A multi-agent system simulation. Applied Energy, 2018, 230, 189-206.	10.1	71
86	Loss-Minimization-Based Charging Strategy for Lithium-Ion Battery. IEEE Transactions on Industry Applications, 2015, 51, 4121-4129.	4.9	67
87	AMT downshifting strategy design of HEV during regenerative braking process for energy conservation. Applied Energy, 2016, 183, 914-925.	10.1	66
88	A mechanism identification model based state-of-health diagnosis of lithium-ion batteries for energy storage applications. Journal of Cleaner Production, 2018, 193, 379-390.	9.3	65
89	Dynamic Modeling and Simulation on a Hybrid Power System for Electric Vehicle Applications. Energies, 2010, 3, 1821-1830.	3.1	63
90	Efficiency analysis of a bidirectional DC/DC converter in a hybrid energy storage system for plug-in hybrid electric vehicles. Applied Energy, 2016, 183, 612-622.	10.1	61

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91	Co-Estimation of State of Charge and Capacity for Lithium-Ion Batteries with Multi-Stage Model Fusion Method. <i>Engineering</i> , 2021, 7, 1469-1482.	6.7	61
92	Battery degradation prediction against uncertain future conditions with recurrent neural network enabled deep learning. <i>Energy Storage Materials</i> , 2022, 50, 139-151.	18.0	61
93	Two-stage aging trajectory prediction of LFP lithium-ion battery based on transfer learning with the cycle life prediction. , 2022, 1, 100008.		61
94	Modeling for Lithium-Ion Battery used in Electric Vehicles. <i>Procedia Engineering</i> , 2011, 15, 2869-2874.	1.2	60
95	Online capacity estimation for lithium-ion batteries through joint estimation method. <i>Applied Energy</i> , 2019, 255, 113817.	10.1	59
96	Detecting undesired lithium plating on anodes for lithium-ion batteries – A review on the in-situ methods. <i>Applied Energy</i> , 2021, 300, 117386.	10.1	59
97	Deep neural network battery life and voltage prediction by using data of one cycle only. <i>Applied Energy</i> , 2022, 306, 118134.	10.1	57
98	Multi-objective optimization study of energy management strategy and economic analysis for a range-extended electric bus. <i>Applied Energy</i> , 2017, 194, 798-807.	10.1	56
99	A LSTM-RNN method for the lithium-ion battery remaining useful life prediction. , 2017, , .		55
100	A Novel Dynamic Performance Analysis and Evaluation Model of Series-Parallel Connected Battery Pack for Electric Vehicles. <i>IEEE Access</i> , 2019, 7, 14256-14265.	4.2	55
101	Design and real-time test of a hybrid energy storage system in the microgrid with the benefit of improving the battery lifetime. <i>Applied Energy</i> , 2018, 218, 470-478.	10.1	53
102	Current sensor fault diagnosis method based on an improved equivalent circuit battery model. <i>Applied Energy</i> , 2022, 310, 118588.	10.1	52
103	An Acceleration Slip Regulation Strategy for Four-Wheel Drive Electric Vehicles Based on Sliding Mode Control. <i>Energies</i> , 2014, 7, 3748-3763.	3.1	51
104	Application of Digital Twin in Smart Battery Management Systems. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, .	3.7	49
105	A novel data-driven method for mining battery open-circuit voltage characterization. , 2022, 1, 100001.		49
106	Evaluating the performance of liquid immersing preheating system for Lithium-ion battery pack. <i>Applied Thermal Engineering</i> , 2021, 190, 116811.	6.0	48
107	Research on the Battery Charging Strategy With Charging and Temperature Rising Control Awareness. <i>IEEE Access</i> , 2018, 6, 64193-64201.	4.2	47
108	Online simultaneous identification of parameters and order of a fractional order battery model. <i>Journal of Cleaner Production</i> , 2020, 247, 119147.	9.3	47

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109	A set membership theory based parameter and state of charge co-estimation method for all-climate batteries. <i>Journal of Cleaner Production</i> , 2020, 249, 119380.	9.3	45
110	Online monitoring of state of charge and capacity loss for vanadium redox flow battery based on autoregressive exogenous modeling. <i>Journal of Power Sources</i> , 2018, 402, 252-262.	7.8	44
111	Deep neural network battery impedance spectra prediction by only using constant-current curve. <i>Energy Storage Materials</i> , 2021, 41, 24-31.	18.0	44
112	Real-Time Overcharge Warning and Early Thermal Runaway Prediction of Li-Ion Battery by Online Impedance Measurement. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1929-1936.	7.9	43
113	Research on an Online Identification Algorithm for a Thevenin Battery Model by an Experimental Approach. <i>International Journal of Green Energy</i> , 2015, 12, 272-278.	3.8	37
114	Comparison of decomposition levels for wavelet transform based energy management in a plug-in hybrid electric vehicle. <i>Journal of Cleaner Production</i> , 2019, 210, 1085-1097.	9.3	37
115	Study on the Optimal Charging Strategy for Lithium-Ion Batteries Used in Electric Vehicles. <i>Energies</i> , 2014, 7, 6783-6797.	3.1	35
116	A new strategy of efficiency enhancement for traction systems in electric vehicles. <i>Applied Energy</i> , 2017, 205, 880-891.	10.1	35
117	Online Estimation of State-of-charge Based on the H infinity and Unscented Kalman Filters for Lithium Ion Batteries. <i>Energy Procedia</i> , 2017, 105, 2791-2796.	1.8	34
118	State of charge-dependent aging mechanisms in graphite/Li(NiCoAl)O ₂ cells: Capacity loss modeling and remaining useful life prediction. <i>Applied Energy</i> , 2019, 255, 113818.	10.1	34
119	A comparative analysis and validation for double-filters-based state of charge estimators using battery-in-the-loop approach. <i>Applied Energy</i> , 2018, 229, 648-659.	10.1	33
120	An optimal structure selection and parameter design approach for a dual-motor-driven system used in an electric bus. <i>Energy</i> , 2016, 96, 437-448.	8.8	32
121	A novel parameter and state-of-charge determining method of lithium-ion battery for electric vehicles. <i>Applied Energy</i> , 2017, 207, 363-371.	10.1	32
122	A novel combinatorial optimization algorithm for energy management strategy of plug-in hybrid electric vehicle. <i>Journal of the Franklin Institute</i> , 2017, 354, 6588-6609.	3.4	32
123	A Novel Active Equalization Topology for Series-Connected Lithium-ion Battery Packs. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 6892-6903.	4.9	32
124	A Novel Data-Driven Fast Capacity Estimation of Spent Electric Vehicle Lithium-ion Batteries. <i>Energies</i> , 2014, 7, 8076-8094.	3.1	31
125	Battery Management Algorithm for Electric Vehicles. , 2020, , .		31
126	Fractional order battery modelling methodologies for electric vehicle applications: Recent advances and perspectives. <i>Science China Technological Sciences</i> , 2020, 63, 2211-2230.	4.0	31

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127	Rapid ultracapacitor life prediction with a convolutional neural network. <i>Applied Energy</i> , 2022, 305, 117819.	10.1	29
128	Electro-thermal coupling model of lithium-ion batteries under external short circuit. <i>Applied Energy</i> , 2021, 293, 116910.	10.1	28
129	A novel H ∞ and EKF joint estimation method for determining the center of gravity position of electric vehicles. <i>Applied Energy</i> , 2017, 194, 609-616.	10.1	27
130	Aging investigation of an echelon internal heating method on a three-electrode lithium ion cell at low temperatures. <i>Journal of Energy Storage</i> , 2019, 25, 100878.	8.1	27
131	Data-driven State-of-Charge estimator for electric vehicles battery using robust extended Kalman filter. <i>International Journal of Automotive Technology</i> , 2014, 15, 89-96.	1.4	26
132	Reinforcement Learning-based Real-time Energy Management for Plug-in Hybrid Electric Vehicle with Hybrid Energy Storage System. <i>Energy Procedia</i> , 2017, 142, 1896-1901.	1.8	25
133	Frequency and time domain modelling and online state of charge monitoring for ultracapacitors. <i>Energy</i> , 2019, 176, 874-887.	8.8	24
134	A Comparative Study of Fractional Order Models on State of Charge Estimation for Lithium Ion Batteries. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020, 33, .	3.7	24
135	Enhanced Lithium-ion battery model considering critical surface charge behavior. <i>Applied Energy</i> , 2022, 314, 118915.	10.1	24
136	Open circuit voltage and state of charge online estimation for lithium ion batteries. <i>Energy Procedia</i> , 2017, 142, 1902-1907.	1.8	23
137	Comparison of Lithium-Ion Anode Materials Using an Experimentally Verified Physics-Based Electrochemical Model. <i>Energies</i> , 2017, 10, 2174.	3.1	23
138	Comparison of the topologies for a hybrid energy-storage system of electric vehicles via a novel optimization method. <i>Science China Technological Sciences</i> , 2015, 58, 1173-1185.	4.0	22
139	Model-based State-of-charge Estimation Approach of the Lithium-ion Battery Using an Improved Adaptive Particle Filter. <i>Energy Procedia</i> , 2016, 103, 394-399.	1.8	21
140	Study of the characteristics of battery packs in electric vehicles with parallel-connected lithium-ion battery cells. , 2014, , .		20
141	Estimation of Lithium-Ion Battery State of Charge for Electric Vehicles Based on Dual Extended Kalman Filter. <i>Energy Procedia</i> , 2018, 152, 574-579.	1.8	20
142	Adaptive Inverse Control of Piezoelectric Actuators Based on Segment Similarity. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 5403-5411.	7.9	20
143	Energy management strategy of connected hybrid electric vehicles considering electricity and oil price fluctuations: A case study of ten typical cities in China. <i>Journal of Energy Storage</i> , 2021, 36, 102347.	8.1	20
144	Review on sensors fault diagnosis and fault-tolerant techniques for lithium ion batteries in electric vehicles. , 2018, , .		19

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145	A Model-Based Sensor Fault Diagnosis Scheme for Batteries in Electric Vehicles. <i>Energies</i> , 2021, 14, 829.	3.1	18
146	Study on Energy Management Strategies for Series-parallel Plug-in Hybrid Electric Buses. <i>Energy Procedia</i> , 2015, 75, 1926-1931.	1.8	17
147	A Data-Driven Based State of Energy Estimator of Lithium-ion Batteries Used to Supply Electric Vehicles. <i>Energy Procedia</i> , 2015, 75, 1944-1949.	1.8	17
148	A Novel Dual H Infinity Filters Based Battery Parameter and State Estimation Approach for Electric Vehicles Application. <i>Energy Procedia</i> , 2016, 103, 375-380.	1.8	15
149	The Estimation of State of Charge for Power Battery Packs used in Hybrid Electric Vehicle. <i>Energy Procedia</i> , 2017, 105, 2678-2683.	1.8	15
150	Data-driven battery degradation prediction: Forecasting voltage-capacity curves using one-cycle data. <i>EcoMat</i> , 2022, 4, .	11.9	14
151	An Online Model-based Battery Parameter and State Estimation Method Using Multi-scale Dual Adaptive Particle Filters. <i>Energy Procedia</i> , 2017, 105, 4549-4554.	1.8	13
152	Methodology for Optimal Sizing of Hybrid Power System Using particle Swarm Optimization and Dynamic Programming. <i>Energy Procedia</i> , 2015, 75, 1895-1900.	1.8	12
153	Water-Resistant Smartphone Technologies. <i>IEEE Access</i> , 2019, 7, 42757-42773.	4.2	12
154	Fault Warning and Location in Battery Energy Storage Systems via Venting Acoustic Signal. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2023, 11, 100-108.	5.4	11
155	An Improved Battery On-line Parameter Identification and State-of-charge Determining Method. <i>Energy Procedia</i> , 2016, 103, 381-386.	1.8	10
156	Switching Device Dead Time Optimization of Resonant Double-Sided LCC Wireless Charging System for Electric Vehicles. <i>Energies</i> , 2017, 10, 1772.	3.1	10
157	A Bias Correction Based State-of-Charge Estimation Method for Multi-Cell Battery Pack Under Different Working Conditions. <i>IEEE Access</i> , 2018, 6, 78184-78192.	4.2	9
158	Modeling of Hysteresis in Piezoelectric Actuator Based on Segment Similarity. <i>Micromachines</i> , 2015, 6, 1805-1824.	2.9	8
159	Loss minimization-based charging strategy for lithium-ion battery. , 2014, , .		7
160	A data-driven bias correction method based lithiumion battery modeling approach for electric vehicle applications. <i>IEEE Transactions on Industry Applications</i> , 2015, , 1-1.	4.9	7
161	Multi-objective Optimal Energy Management Strategy and Economic Analysis for an Range-Extended Electric Bus. <i>Energy Procedia</i> , 2016, 88, 814-820.	1.8	7
162	IEEE Access Special Section Editorial: Advanced Energy Storage Technologies and Their Applications. <i>IEEE Access</i> , 2020, 8, 218685-218693.	4.2	7

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163	A novel approach to state of charge estimation using extended Kalman filtering for lithium-ion batteries in electric vehicles. , 2014, , .		6
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