

Minggao Ouyang

List of Publications by Year in descending order

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220
papers

20,972
citations

17440

63
h-index

9861

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g-index

221
all docs

221
docs citations

221
times ranked

11158
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the key issues for lithium-ion battery management in electric vehicles. <i>Journal of Power Sources</i> , 2013, 226, 272-288.	7.8	3,691
2	Thermal runaway mechanism of lithium ion battery for electric vehicles: A review. <i>Energy Storage Materials</i> , 2018, 10, 246-267.	18.0	1,939
3	Lithium-ion battery fast charging: A review. <i>ETransportation</i> , 2019, 1, 100011.	14.8	835
4	Mitigating Thermal Runaway of Lithium-Ion Batteries. <i>Joule</i> , 2020, 4, 743-770.	24.0	676
5	Thermal runaway features of large format prismatic lithium ion battery using extended volume accelerating rate calorimetry. <i>Journal of Power Sources</i> , 2014, 255, 294-301.	7.8	591
6	A comparative study of commercial lithium ion battery cycle life in electrical vehicle: Aging mechanism identification. <i>Journal of Power Sources</i> , 2014, 251, 38-54.	7.8	554
7	Thermal Runaway of Lithium-Ion Batteries without Internal Short Circuit. <i>Joule</i> , 2018, 2, 2047-2064.	24.0	442
8	Characterization of penetration induced thermal runaway propagation process within a large format lithium ion battery module. <i>Journal of Power Sources</i> , 2015, 275, 261-273.	7.8	372
9	The Co-estimation of State of Charge, State of Health, and State of Function for Lithium-Ion Batteries in Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 92-103.	6.3	369
10	Investigating the thermal runaway mechanisms of lithium-ion batteries based on thermal analysis database. <i>Applied Energy</i> , 2019, 246, 53-64.	10.1	358
11	Building ultraconformal protective layers on both secondary and primary particles of layered lithium transition metal oxide cathodes. <i>Nature Energy</i> , 2019, 4, 484-494.	39.5	345
12	Investigating the error sources of the online state of charge estimation methods for lithium-ion batteries in electric vehicles. <i>Journal of Power Sources</i> , 2018, 377, 161-188.	7.8	330
13	Energy management strategies comparison for electric vehicles with hybrid energy storage system. <i>Applied Energy</i> , 2014, 134, 321-331.	10.1	305
14	An electrochemical-thermal coupled overcharge-to-thermal-runaway model for lithium ion battery. <i>Journal of Power Sources</i> , 2017, 364, 328-340.	7.8	294
15	Thermal runaway propagation model for designing a safer battery pack with 25 Ah LiNi Co Mn O ₂ large format lithium ion battery. <i>Applied Energy</i> , 2015, 154, 74-91.	10.1	293
16	A 3D thermal runaway propagation model for a large format lithium ion battery module. <i>Energy</i> , 2016, 115, 194-208.	8.8	279
17	Multi-objective optimization of a semi-active battery/supercapacitor energy storage system for electric vehicles. <i>Applied Energy</i> , 2014, 135, 212-224.	10.1	275
18	Online State-of-Health Estimation for Li-Ion Battery Using Partial Charging Segment Based on Support Vector Machine. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8583-8592.	6.3	265

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19	Investigating the relationship between internal short circuit and thermal runaway of lithium-ion batteries under thermal abuse condition. <i>Energy Storage Materials</i> , 2021, 34, 563-573.	18.0	264
20	Online internal short circuit detection for a large format lithium ion battery. <i>Applied Energy</i> , 2016, 161, 168-180.	10.1	251
21	Approximate Pontryagin's minimum principle applied to the energy management of plug-in hybrid electric vehicles. <i>Applied Energy</i> , 2014, 115, 174-189.	10.1	241
22	Model-based thermal runaway prediction of lithium-ion batteries from kinetics analysis of cell components. <i>Applied Energy</i> , 2018, 228, 633-644.	10.1	241
23	A comparative investigation of aging effects on thermal runaway behavior of lithium-ion batteries. <i>ETransportation</i> , 2019, 2, 100034.	14.8	230
24	Multi-objective energy management optimization and parameter sizing for proton exchange membrane hybrid fuel cell vehicles. <i>Energy Conversion and Management</i> , 2016, 129, 108-121.	9.2	214
25	Overcharge-induced capacity fading analysis for large format lithium-ion batteries with Li Ni _{1/3} Co _{1/3} Mn _{1/3} O ₂ + Li Mn ₂ O ₄ composite cathode. <i>Journal of Power Sources</i> , 2015, 279, 626-635.	7.8	197
26	State-of-charge inconsistency estimation of lithium-ion battery pack using mean-difference model and extended Kalman filter. <i>Journal of Power Sources</i> , 2018, 383, 50-58.	7.8	192
27	Internal short circuit detection for battery pack using equivalent parameter and consistency method. <i>Journal of Power Sources</i> , 2015, 294, 272-283.	7.8	191
28	Analysis of the heat generation of lithium-ion battery during charging and discharging considering different influencing factors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 1001-1010.	3.6	180
29	A comparison study of different semi-active hybrid energy storage system topologies for electric vehicles. <i>Journal of Power Sources</i> , 2015, 274, 400-411.	7.8	170
30	Micro-Short-Circuit Diagnosis for Series-Connected Lithium-Ion Battery Packs Using Mean-Difference Model. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2132-2142.	7.9	167
31	Detecting the internal short circuit in large-format lithium-ion battery using model-based fault-diagnosis algorithm. <i>Journal of Energy Storage</i> , 2018, 18, 26-39.	8.1	166
32	Multi-objective component sizing based on optimal energy management strategy of fuel cell electric vehicles. <i>Applied Energy</i> , 2015, 157, 664-674.	10.1	159
33	Cell state-of-charge inconsistency estimation for LiFePO ₄ battery pack in hybrid electric vehicles using mean-difference model. <i>Applied Energy</i> , 2013, 111, 571-580.	10.1	158
34	LiFePO ₄ battery pack capacity estimation for electric vehicles based on charging cell voltage curve transformation. <i>Journal of Power Sources</i> , 2013, 226, 33-41.	7.8	155
35	Energy consumption of electric vehicles based on real-world driving patterns: A case study of Beijing. <i>Applied Energy</i> , 2015, 157, 710-719.	10.1	153
36	Mechanism of the entire overdischarge process and overdischarge-induced internal short circuit in lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 30248.	3.3	153

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37	Application of Pontryagin's Minimal Principle to the energy management strategy of plugin fuel cell electric vehicles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10104-10115.	7.1	150
38	Thermal Runaway Triggered by Plated Lithium on the Anode after Fast Charging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46839-46850.	8.0	144
39	Characterization of large format lithium ion battery exposed to extremely high temperature. <i>Journal of Power Sources</i> , 2014, 272, 457-467.	7.8	142
40	Thermal runaway of Lithium-ion batteries employing LiN(SO ₂ F) ₂ -based concentrated electrolytes. <i>Nature Communications</i> , 2020, 11, 5100.	12.8	133
41	Probing the Thermal-Driven Structural and Chemical Degradation of Ni-Rich Layered Cathodes by Co/Mn Exchange. <i>Journal of the American Chemical Society</i> , 2020, 142, 19745-19753.	13.7	122
42	Adaptive supervisory control strategy of a fuel cell/battery-powered city bus. <i>Journal of Power Sources</i> , 2009, 194, 360-368.	7.8	119
43	Energy management and component sizing for a fuel cell/battery/supercapacitor hybrid powertrain based on two-dimensional optimization algorithms. <i>Energy</i> , 2019, 177, 386-396.	8.8	116
44	Thermal runaway mechanism of lithium-ion battery with LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ cathode materials. <i>Nano Energy</i> , 2021, 85, 105878.	16.0	116
45	Optimal vehicle control strategy of a fuel cell/battery hybrid city bus. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7323-7333.	7.1	114
46	Optimal sizing of plug-in fuel cell electric vehicles using models of vehicle performance and system cost. <i>Applied Energy</i> , 2013, 103, 477-487.	10.1	111
47	Component sizing optimization of plug-in hybrid electric vehicles with the hybrid energy storage system. <i>Energy</i> , 2018, 144, 393-403.	8.8	103
48	Vehicle survival patterns in China. <i>Science China Technological Sciences</i> , 2011, 54, 625-629.	4.0	99
49	A Coupled Electrochemical-Thermal Failure Model for Predicting the Thermal Runaway Behavior of Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3748-A3765.	2.9	98
50	Multi-mode control strategy for fuel cell electric vehicles regarding fuel economy and durability. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2374-2389.	7.1	95
51	Enhancing the estimation accuracy in low state-of-charge area: A novel onboard battery model through surface state of charge determination. <i>Journal of Power Sources</i> , 2014, 270, 221-237.	7.8	95
52	The optimization of a hybrid energy storage system at subzero temperatures: Energy management strategy design and battery heating requirement analysis. <i>Applied Energy</i> , 2015, 159, 576-588.	10.1	95
53	Time Sequence Map for Interpreting the Thermal Runaway Mechanism of Lithium-Ion Batteries With LiNi _x Co _y Mn _z O ₂ Cathode. <i>Frontiers in Energy Research</i> , 2018, 6, .	2.3	89
54	A highly accurate predictive-adaptive method for lithium-ion battery remaining discharge energy prediction in electric vehicle applications. <i>Applied Energy</i> , 2015, 149, 297-314.	10.1	87

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55	Real time optimal energy management strategy targeting at minimizing daily operation cost for a plug-in fuel cell city bus. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15380-15392.	7.1	82
56	Model and experiments to investigate thermal runaway characterization of lithium-ion batteries induced by external heating method. <i>Journal of Power Sources</i> , 2021, 504, 230065.	7.8	82
57	In situ observation of thermal-driven degradation and safety concerns of lithiated graphite anode. <i>Nature Communications</i> , 2021, 12, 4235.	12.8	74
58	Unlocking the self-supported thermal runaway of high-energy lithium-ion batteries. <i>Energy Storage Materials</i> , 2021, 39, 395-402.	18.0	74
59	Toward a high-voltage fast-charging pouch cell with TiO ₂ cathode coating and enhanced battery safety. <i>Nano Energy</i> , 2020, 71, 104643.	16.0	72
60	Flammability characteristics of the battery vent gas: A case of NCA and LFP lithium-ion batteries during external heating abuse. <i>Journal of Energy Storage</i> , 2019, 24, 100775.	8.1	66
61	The influence of driving cycle characteristics on the integrated optimization of hybrid energy storage system for electric city buses. <i>Energy</i> , 2017, 135, 91-100.	8.8	65
62	Recent Progress on the Key Materials and Components for Proton Exchange Membrane Fuel Cells in Vehicle Applications. <i>Energies</i> , 2016, 9, 603.	3.1	64
63	Fuel cell system degradation analysis of a Chinese plug-in hybrid fuel cell city bus. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15295-15310.	7.1	64
64	Internal Short Circuit Trigger Method for Lithium-Ion Battery Based on Shape Memory Alloy. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3038-A3044.	2.9	64
65	Online estimation of lithium-ion battery remaining discharge capacity through differential voltage analysis. <i>Journal of Power Sources</i> , 2015, 274, 971-989.	7.8	63
66	Comparative study on substitute triggering approaches for internal short circuit in lithium-ion batteries. <i>Applied Energy</i> , 2020, 259, 114143.	10.1	61
67	Internal short circuit detection for lithium-ion battery pack with parallel-series hybrid connections. <i>Journal of Cleaner Production</i> , 2020, 255, 120277.	9.3	60
68	A review of the internal short circuit mechanism in lithium-ion batteries: Inducement, detection and prevention. <i>International Journal of Energy Research</i> , 2021, 45, 15797-15831.	4.5	60
69	Key Characteristics for Thermal Runaway of Li-ion Batteries. <i>Energy Procedia</i> , 2019, 158, 4684-4689.	1.8	59
70	High-Voltage and High-Safety Practical Lithium Batteries with Ethylene Carbonate-Free Electrolyte. <i>Advanced Energy Materials</i> , 2021, 11, 2102299.	19.5	59
71	An Experimental Study on Preventing Thermal Runaway Propagation in Lithium-Ion Battery Module Using Aerogel and Liquid Cooling Plate Together. <i>Fire Technology</i> , 2020, 56, 2579-2602.	3.0	58
72	Origin and regulation of oxygen redox instability in high-voltage battery cathodes. <i>Nature Energy</i> , 2022, 7, 808-817.	39.5	55

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73	Power distribution strategy of a dual-engine system for heavy-duty hybrid electric vehicles using dynamic programming. <i>Energy</i> , 2021, 215, 118851.	8.8	52
74	An Experimental Study and Nonlinear Modeling of Discharge V Behavior of Valve-Regulated Lead-Acid Batteries. <i>IEEE Transactions on Energy Conversion</i> , 2009, 24, 452-458.	5.2	49
75	Impact of high-power charging on the durability and safety of lithium batteries used in long-range battery electric vehicles. <i>Applied Energy</i> , 2019, 255, 113793.	10.1	49
76	Investigating the thermal runaway features of lithium-ion batteries using a thermal resistance network model. <i>Applied Energy</i> , 2021, 295, 117038.	10.1	48
77	Beijing passenger car travel survey: implications for alternative fuel vehicle deployment. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 817-835.	2.1	47
78	A Comparative Study of Charging Voltage Curve Analysis and State of Health Estimation of Lithium-ion Batteries in Electric Vehicle. <i>Automotive Innovation</i> , 2019, 2, 263-275.	5.1	47
79	Internal temperature detection of thermal runaway in lithium-ion cells tested by extended-volume accelerating rate calorimetry. <i>Journal of Energy Storage</i> , 2020, 31, 101670.	8.1	45
80	Design of durability test protocol for vehicular fuel cell systems operated in power-follow mode based on statistical results of on-road data. <i>Journal of Power Sources</i> , 2018, 377, 59-69.	7.8	44
81	Physics-based fractional-order model with simplified solid phase diffusion of lithium-ion battery. <i>Journal of Energy Storage</i> , 2020, 30, 101404.	8.1	44
82	Hybrid Lithium Iron Phosphate Battery and Lithium Titanate Battery Systems for Electric Buses. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 956-965.	6.3	42
83	Massive battery pack data compression and reconstruction using a frequency division model in battery management systems. <i>Journal of Energy Storage</i> , 2020, 28, 101252.	8.1	42
84	Heating power and heating energy effect on the thermal runaway propagation characteristics of lithium-ion battery module: Experiments and modeling. <i>Applied Energy</i> , 2022, 312, 118760.	10.1	40
85	Active fault tolerance control system of fuel cell hybrid city bus. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12510-12520.	7.1	38
86	Size distribution and elemental composition of vent particles from abused prismatic Ni-rich automotive lithium-ion batteries. <i>Journal of Energy Storage</i> , 2019, 26, 100991.	8.1	38
87	Thermal runaway modeling of large format high-nickel/silicon-graphite lithium-ion batteries based on reaction sequence and kinetics. <i>Applied Energy</i> , 2022, 306, 117943.	10.1	38
88	Energy flow modeling and real-time control design basing on mean values for maximizing driving mileage of a fuel cell bus. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15052-15066.	7.1	37
89	Energy management of plug-in hybrid electric vehicles with unknown trip length. <i>Journal of the Franklin Institute</i> , 2015, 352, 500-518.	3.4	37
90	Error Analysis of the Model-Based State-of-Charge Observer for Lithium-Ion Batteries. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 8055-8064.	6.3	36

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91	In-depth investigation of the exothermic reactions between lithiated graphite and electrolyte in lithium-ion battery. <i>Journal of Energy Chemistry</i> , 2022, 69, 593-600.	12.9	34
92	Input Observer-Based Individual Cylinder Air-Fuel Ratio Control: Modelling, Design and Validation. <i>IEEE Transactions on Control Systems Technology</i> , 2008, 16, 1057-1065.	5.2	33
93	Incremental Capacity Analysis on Commercial Lithium-Ion Batteries Using Support Vector Regression: A Parametric Study. <i>Energies</i> , 2018, 11, 2323.	3.1	33
94	Analysis of water management in proton exchange membrane membrane fuel cells. <i>Tsinghua Science and Technology</i> , 2006, 11, 54-64.	6.1	31
95	Thermal runaway front in failure propagation of long-shape lithium-ion battery. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121928.	4.8	31
96	An ultra-fast charging strategy for lithium-ion battery at low temperature without lithium plating. <i>Journal of Energy Chemistry</i> , 2022, 72, 442-452.	12.9	31
97	An accurate parameters extraction method for a novel on-board battery model considering electrochemical properties. <i>Journal of Energy Storage</i> , 2019, 24, 100745.	8.1	30
98	Battery eruption triggered by plated lithium on an anode during thermal runaway after fast charging. <i>Energy</i> , 2022, 239, 122097.	8.8	30
99	Levelized costs of conventional and battery electric vehicles in china: Beijing experiences. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 1229-1246.	2.1	29
100	Parameter extraction and uncertainty analysis of a proton exchange membrane fuel cell system based on Monte Carlo simulation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2309-2326.	7.1	29
101	Torque Observers Design for Spark Ignition Engines With Different Intake Air Measurement Sensors. <i>IEEE Transactions on Control Systems Technology</i> , 2011, 19, 229-237.	5.2	28
102	Comparison study on life-cycle costs of different trams powered by fuel cell systems and others. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16577-16591.	7.1	28
103	Internal short circuit detection method for battery pack based on circuit topology. <i>Science China Technological Sciences</i> , 2018, 61, 1502-1511.	4.0	28
104	Robust control of internal states in a polymer electrolyte membrane fuel cell air-feed system by considering actuator properties. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13171-13191.	7.1	27
105	Theoretical and experimental analysis of the lithium-ion battery thermal runaway process based on the internal combustion engine combustion theory. <i>Energy Conversion and Management</i> , 2019, 185, 211-222.	9.2	27
106	A Toolbox of Reference Electrodes for Lithium Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	27
107	Dynamic Programming Algorithm for minimizing operating cost of a PEM fuel cell vehicle. , 2012, , .		26
108	Drive circuitry of an electric vehicle enabling rapid heating of the battery pack at low temperatures. <i>IScience</i> , 2021, 24, 101921.	4.1	26

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109	Fire boundaries of lithium-ion cell eruption gases caused by thermal runaway. IScience, 2021, 24, 102401.	4.1	26
110	Battery Sizing for Plug-in Hybrid Electric Vehicles in Beijing: A TCO Model Based Analysis. Energies, 2014, 7, 5374-5399.	3.1	25
111	Development of a PEM Fuel Cell City Bus with a Hierarchical Control System. Energies, 2016, 9, 417.	3.1	24
112	Investigation for the effect of side plates on thermal runaway propagation characteristics in battery modules. Applied Thermal Engineering, 2022, 201, 117774.	6.0	23
113	Determination of the Differential Capacity of Lithium-Ion Batteries by the Deconvolution of Electrochemical Impedance Spectra. Energies, 2020, 13, 915.	3.1	22
114	A comparative study of equivalent circuit model and distribution of relaxation times for fuel cell impedance diagnosis. International Journal of Energy Research, 2021, 45, 15948-15961.	4.5	22
115	Determination of the battery pack capacity considering the estimation error using a Capacityâ€“Quantity diagram. Applied Energy, 2016, 177, 384-392.	10.1	21
116	Parameter extraction of polymer electrolyte membrane fuel cell based on quasi-dynamic model and periphery signals. Energy, 2017, 122, 675-690.	8.8	21
117	Nonlinear observation of internal states of fuel cell cathode utilizing a high-order sliding-mode algorithm. Journal of Power Sources, 2017, 356, 56-71.	7.8	21
118	Plug-in electric vehicles in China and the USA: a technology and market comparison. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 329-353.	2.1	21
119	A graphical model for evaluating the status of series-connected lithium-ion battery pack. International Journal of Energy Research, 2019, 43, 749-766.	4.5	20
120	Methodology of designing durability test protocol for vehicular fuel cell system operated in soft run mode based on statistic results of on-road data. International Journal of Hydrogen Energy, 2017, 42, 29840-29851.	7.1	19
121	Multi-objective optimization of side plates in a large format battery module to mitigate thermal runaway propagation. International Journal of Heat and Mass Transfer, 2022, 186, 122395.	4.8	19
122	Thermal runaway modeling of LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ /graphite batteries under different states of charge. Journal of Energy Storage, 2022, 49, 104090.	8.1	19
123	Experimental Investigation on the Feasibility of Heat Pipe-Based Thermal Management System to Prevent Thermal Runaway Propagation. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	2.1	17
124	Thermal abusive experimental research on the large-format lithium-ion battery using a buried dual-sensor. Journal of Energy Storage, 2021, 33, 102156.	8.1	17
125	Lithiumâ€“platingâ€“free fast charging of largeâ€“format lithiumâ€“ion batteries with reference electrodes. International Journal of Energy Research, 2021, 45, 7918-7932.	4.5	17
126	A decomposed electrode model for real-time anode potential observation of lithium-ion batteries. Journal of Power Sources, 2021, 513, 230529.	7.8	17

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127	Research on hub motor control of four-wheel drive electric vehicle. , 2011, , .		16
128	Energy management and design optimization for a series-parallel PHEV city bus. International Journal of Automotive Technology, 2017, 18, 473-487.	1.4	16
129	Progress review of US-China joint research on advanced technologies for plug-in electric vehicles. Science China Technological Sciences, 2018, 61, 1431-1445.	4.0	16
130	Interactions between a polymer electrolyte membrane fuel cell and boost converter utilizing a multiscale model. Journal of Power Sources, 2018, 395, 237-250.	7.8	16
131	Real-Time Estimation of Vehicle Mass and Road Grade Based on Multi-Sensor Data Fusion. , 2013, , .		15
132	Wheel Slip Control Using Sliding-Mode Technique and Maximum Transmissible Torque Estimation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	15
133	Optimal Velocity Control for a Battery Electric Vehicle Driven by Permanent Magnet Synchronous Motors. Mathematical Problems in Engineering, 2014, 2014, 1-14.	1.1	14
134	Parameter identification of fractional-order model with transfer learning for aging lithium-ion batteries. International Journal of Energy Research, 2021, 45, 12825-12837.	4.5	14
135	Synergistic Dual-Salt Electrolyte for Safe and High-Voltage LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ //Graphite Pouch Cells. ACS Applied Materials & Interfaces, 2022, 14, 10467-10477.	8.0	14
136	Comparative Analysis of Technical Route and Market Development for Light-Duty PHEV in China and the US. Energies, 2019, 12, 3753.	3.1	13
137	Energy and environmental life-cycle assessment of passenger car electrification based on Beijing driving patterns. Science China Technological Sciences, 2015, 58, 659-668.	4.0	12
138	Dynamic Test and Real-time Control Platform of Anode Recirculation for PEM Fuel Cell Systems. Journal of Fuel Cell Science and Technology, 2006, 3, 333-345.	0.8	11
139	Modeling and experimental study of PEM fuel cell transient response for automotive applications. Tsinghua Science and Technology, 2009, 14, 639-645.	6.1	11
140	Multilevel Energy Management of a DC Microgrid Based on Virtual-Battery Model Considering Voltage Regulation and Economic Optimization. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2881-2895.	5.4	11
141	A Constant Current Control Method With Improved Dynamic Performance for <i>CLLC</i> Converters. IEEE Transactions on Power Electronics, 2022, 37, 1509-1523.	7.9	10
142	Power management and economic estimation of fuel cell hybrid vehicle using fuzzy logic. , 2009, , .		9
143	A GPS-based research on driving range and patterns of private passenger vehicle in Beijing. , 2013, , .		9
144	A comparative study of equivalent circuit models and enhanced equivalent circuit models of lithium-ion batteries with different model structures. , 2014, , .		9

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145	State of Charge, State of Health and State of Function Co-Estimation of Lithium-Ion Batteries for Electric Vehicles. , 2016, , .		9
146	A semiempirical dynamic model of reversible open circuit voltage drop in a PEM fuel cell. International Journal of Energy Research, 2019, 43, 2550-2561.	4.5	9
147	A reducedâ€dimension dynamic model of a protonâ€exchange membrane fuel cell. International Journal of Energy Research, 2021, 45, 18002-18017.	4.5	9
148	Torque Distribution Strategy for Multi-PMSM Applications and Optimal Acceleration Control for Four-Wheel-Drive Electric Vehicles. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	1.6	9
149	Efficiency Improvement of Wireless Charging System Based on Active Power Source in Receiver. IEEE Access, 2019, 7, 98136-98143.	4.2	8
150	Optimal sizing of fuel cell electric vehicle powertrain considering multiple objectives. , 2020, , .		7
151	Optimal torque distribution strategy considering energy loss and tire adhesion for 4WD electric vehicles. , 2017, , .		6
152	Self-Humidification of a Polymer Electrolyte Membrane Fuel Cell System With Cathodic Exhaust Gas Recirculation. Journal of Electrochemical Energy Conversion and Storage, 2018, 15, .	2.1	6
153	Closed Loop Control Algorithm of Fuel Cell Output Power for a City Bus. SAE International Journal of Alternative Powertrains, 2013, 2, 74-81.	0.8	5
154	A novel state-of-charge-based method for plug-in hybrid vehicle electric distance analysis validated with actual driving data. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 459-475.	2.1	5
155	A Novel Method to Actively Damp the Vibration of the Hybrid Powertrain by Utilizing a Flywheel Integrated-Starter-Generator. IEEE Access, 2020, 8, 147045-147058.	4.2	5
156	An Experimental Study on Thermal Runaway Behavior for High-Capacity Li(Ni0.8Co0.1Mn0.1)O2 Pouch Cells at Different State of Charges. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	2.1	5
157	Control algorithm of fuel cell/battery hybrid vehicular power system. , 2008, , .		4
158	Control strategy of wind power output by pitch angle control using fuzzy logic. , 2010, , .		4
159	Research on simplification of simulating the heat conduction in the lithium-ion battery core. , 2013, , .		4
160	Estimation of <scp>NCM111</scp> /graphite acoustic properties under different lithium stoichiometry based on nondestructive acoustic in situ testing. International Journal of Energy Research, 2022, 46, 2633-2654.	4.5	4
161	A comprehensive overpotential analysis of highâ€power density fuel cell: channel/rid width design. International Journal of Energy Research, 2022, 46, 10998-11010.	4.5	4
162	Fuzzy logic based coordinated controller for wind/battery/IDSMS hybrid micro-grid power system. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
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