

Minggao Ouyang

List of Publications by Year in descending order

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Version: 2024-02-01

220
papers

20,972
citations

21215

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docs citations

221
times ranked

12752
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Constant Current Control Method With Improved Dynamic Performance for <i>CLLC</i> Converters. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 1509-1523. | 5.4 | 10 |
| 2 | Battery eruption triggered by plated lithium on an anode during thermal runaway after fast charging. <i>Energy</i> , 2022, 239, 122097. | 4.5 | 30 |
| 3 | Thermal runaway front in failure propagation of long-shape lithium-ion battery. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121928. | 2.5 | 31 |
| 4 | Estimation of <i>NCM111</i> /graphite acoustic properties under different lithium stoichiometry based on nondestructive acoustic in situ testing. <i>International Journal of Energy Research</i> , 2022, 46, 2633-2654. | 2.2 | 4 |
| 5 | 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. | 5.1 | 38 |
| 6 | Investigation for the effect of side plates on thermal runaway propagation characteristics in battery modules. <i>Applied Thermal Engineering</i> , 2022, 201, 117774. | 3.0 | 23 |
| 7 | Multi-objective optimization of side plates in a large format battery module to mitigate thermal runaway propagation. <i>International Journal of Heat and Mass Transfer</i> , 2022, 186, 122395. | 2.5 | 19 |
| 8 | 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. | 7.1 | 34 |
| 9 | Thermal runaway modeling of <i>LiNi_{0.6}Mn_{0.2}Co_{0.2}O₂</i> /graphite batteries under different states of charge. <i>Journal of Energy Storage</i> , 2022, 49, 104090. | 3.9 | 19 |
| 10 | Synergistic Dual-Salt Electrolyte for Safe and High-Voltage <i>LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂</i> //Graphite Pouch Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10467-10477. | 4.0 | 14 |
| 11 | 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. | 5.1 | 40 |
| 12 | A Toolbox of Reference Electrodes for Lithium Batteries. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 27 |
| 13 | A comprehensive overpotential analysis of high-power density fuel cell: channel/rid width design. <i>International Journal of Energy Research</i> , 2022, 46, 10998-11010. | 2.2 | 4 |
| 14 | 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. | 7.1 | 31 |
| 15 | Origin and regulation of oxygen redox instability in high-voltage battery cathodes. <i>Nature Energy</i> , 2022, 7, 808-817. | 19.8 | 55 |
| 16 | Experimental and theoretical analysis of the eruption processes of abused prismatic Ni-rich automotive batteries based on multi-parameters. <i>Journal of Energy Storage</i> , 2022, 52, 105012. | 3.9 | 3 |
| 17 | Multilevel Energy Management of a DC Microgrid Based on Virtual-Battery Model Considering Voltage Regulation and Economic Optimization. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 2881-2895. | 3.7 | 11 |
| 18 | Thermal abusive experimental research on the large-format lithium-ion battery using a buried dual-sensor. <i>Journal of Energy Storage</i> , 2021, 33, 102156. | 3.9 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 9.5 | 264 |
| 20 | Power distribution strategy of a dual-engine system for heavy-duty hybrid electric vehicles using dynamic programming. <i>Energy</i> , 2021, 215, 118851. | 4.5 | 52 |
| 21 | Lithium-plating-free fast charging of large-format lithium-ion batteries with reference electrodes. <i>International Journal of Energy Research</i> , 2021, 45, 7918-7932. | 2.2 | 17 |
| 22 | Drive circuitry of an electric vehicle enabling rapid heating of the battery pack at low temperatures. <i>IScience</i> , 2021, 24, 101921. | 1.9 | 26 |
| 23 | Parameter identification of fractional-order model with transfer learning for aging lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 12825-12837. | 2.2 | 14 |
| 24 | A Coupled Optimization-oriented Reduced-order Aging Model for Graphite-LiFePO ₄ Li-ion Batteries under Dynamic Micogrid Conditions. , 2021, , . | | 3 |
| 25 | Kinetic Monte Carlo Simulation of Lithium Dendrite Growth in Lithium-ion Battery. , 2021, , . | | 1 |
| 26 | Adoptive Control of Injector for Polymer Electrolyte Membrane Fuel Cell Hydrogen Feeding System. , 2021, , . | | 0 |
| 27 | Fire boundaries of lithium-ion cell eruption gases caused by thermal runaway. <i>IScience</i> , 2021, 24, 102401. | 1.9 | 26 |
| 28 | The Cruising Range Analysis of Heavy-duty Fuel Cell Vehicles with Liquid Hydrogen Storage and Supply Systems Based on Dynamic Programming. , 2021, , . | | 2 |
| 29 | A Novel Data Augmentation and Swift Optimal Sizing Framework for PV-based EV Charging Microgrid. , 2021, , . | | 3 |
| 30 | A comparative study of equivalent circuit model and distribution of relaxation times for fuel cell impedance diagnosis. <i>International Journal of Energy Research</i> , 2021, 45, 15948-15961. | 2.2 | 22 |
| 31 | A Vehicle-to-Grid Frequency Regulation Framework for Fast Charging Infrastructures Considering Power Performances of Lithium-ion Batteries and Chargers. , 2021, , . | | 3 |
| 32 | Simulation analysis of fuel economy of a fuel cell/battery passive hybrid power system for commercial vehicles. , 2021, , . | | 1 |
| 33 | A Semi-Decentralized Control Strategy of a PV-based Microgrid with Battery Energy Storage Systems for Electric Vehicle Charging and Hydrogen Production. , 2021, , . | | 1 |
| 34 | 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. | 2.2 | 60 |
| 35 | A reduced-dimension dynamic model of a proton-exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 18002-18017. | 2.2 | 9 |
| 36 | In situ observation of thermal-driven degradation and safety concerns of lithiated graphite anode. <i>Nature Communications</i> , 2021, 12, 4235. | 5.8 | 74 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Thermal runaway mechanism of lithium-ion battery with LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ cathode materials. Nano Energy, 2021, 85, 105878. | 8.2 | 116 |
| 38 | Unlocking the self-supported thermal runaway of high-energy lithium-ion batteries. Energy Storage Materials, 2021, 39, 395-402. | 9.5 | 74 |
| 39 | Investigating the thermal runaway features of lithium-ion batteries using a thermal resistance network model. Applied Energy, 2021, 295, 117038. | 5.1 | 48 |
| 40 | Model and experiments to investigate thermal runaway characterization of lithium-ion batteries induced by external heating method. Journal of Power Sources, 2021, 504, 230065. | 4.0 | 82 |
| 41 | Comprehensive early warning strategies based on consistency deviation of thermal-electrical characteristics for energy storage grid. IScience, 2021, 24, 103058. | 1.9 | 3 |
| 42 | A decomposed electrode model for real-time anode potential observation of lithium-ion batteries. Journal of Power Sources, 2021, 513, 230529. | 4.0 | 17 |
| 43 | High-voltage and High-safety Practical Lithium Batteries with Ethylene Carbonate-free Electrolyte. Advanced Energy Materials, 2021, 11, 2102299. | 10.2 | 59 |
| 44 | Equivalence of time and frequency domain modeling for lithium ion batteries. , 2021, , . | | 2 |
| 45 | An Experimental Study on Thermal Runaway Behavior for High-Capacity Li(Ni _{0.8} Co _{0.1} Mn _{0.1})O ₂ Pouch Cells at Different State of Charges. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, . | 1.1 | 5 |
| 46 | A Design of Air System Control Algorithm for Full Power Fuel Cell Vehicles. , 2021, , . | | 0 |
| 47 | Electrical Interoperability Evaluating of Wireless Electric Vehicle Charging Systems Based on Impedance Space. World Electric Vehicle Journal, 2021, 12, 245. | 1.6 | 2 |
| 48 | Optimal Charging of Lithium-ion Batteries Based on Model Predictive Control Considering Lithium Plating and Cell Temperature. , 2021, , . | | 2 |
| 49 | External Liquid Cooling Method for Lithium-ion Battery Modules under Ultra-fast Charging. , 2021, , . | | 1 |
| 50 | Feedforward and Feedback Integrated Control for Handling Characteristics Adjustment of Multi-axle Heavy-duty Vehicles Using Independent-drive Electric Wheels. , 2021, , . | | 1 |
| 51 | Design and Performance Analysis of Multi-axle Independent-drive Heavy-duty Fuel Cell Vehicles. , 2021, , . | | 1 |
| 52 | 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. | 1.0 | 5 |
| 53 | Comparative study on substitute triggering approaches for internal short circuit in lithium-ion batteries. Applied Energy, 2020, 259, 114143. | 5.1 | 61 |
| 54 | Thermal runaway of Lithium-ion batteries employing LiN(SO ₂ F) ₂ -based concentrated electrolytes. Nature Communications, 2020, 11, 5100. | 5.8 | 133 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | 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. | 3.9 | 45 |
| 56 | Soil pollution element content and size distribution of particles released by abused prismatic Ni-rich automotive lithium-ion batteries. , 2020, , . | | 1 |
| 57 | A Novel Method to Actively Damp the Vibration of the Hybrid Powertrain by Utilizing a Flywheel Integrated-Starter-Generator. <i>IEEE Access</i> , 2020, 8, 147045-147058. | 2.6 | 5 |
| 58 | 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. | 6.6 | 122 |
| 59 | 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. | 1.5 | 58 |
| 60 | Mitigating Thermal Runaway of Lithium-Ion Batteries. <i>Joule</i> , 2020, 4, 743-770. | 11.7 | 676 |
| 61 | Determination of the Differential Capacity of Lithium-Ion Batteries by the Deconvolution of Electrochemical Impedance Spectra. <i>Energies</i> , 2020, 13, 915. | 1.6 | 22 |
| 62 | Toward a high-voltage fast-charging pouch cell with TiO ₂ cathode coating and enhanced battery safety. <i>Nano Energy</i> , 2020, 71, 104643. | 8.2 | 72 |
| 63 | 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. | 3.9 | 42 |
| 64 | Plug-in electric vehicles in China and the USA: a technology and market comparison. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020, 25, 329-353. | 1.0 | 21 |
| 65 | Internal short circuit detection for lithium-ion battery pack with parallel-series hybrid connections. <i>Journal of Cleaner Production</i> , 2020, 255, 120277. | 4.6 | 60 |
| 66 | Physics-based fractional-order model with simplified solid phase diffusion of lithium-ion battery. <i>Journal of Energy Storage</i> , 2020, 30, 101404. | 3.9 | 44 |
| 67 | Torque Distribution Strategy for Multi-PMSM Applications and Optimal Acceleration Control for Four-Wheel-Drive Electric Vehicles. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020, 142, . | 0.9 | 9 |
| 68 | Decoupling Control Strategy for Cathode System of Proton Exchange Membrane Fuel Cell Engine. , 2020, , . | | 0 |
| 69 | Analysis of fuel cell impedance characteristics at high current density based on distribution of relaxation times. , 2020, , . | | 1 |
| 70 | A comparative study on capillary pressure correlations of water transport in PEMFC gas diffusion layer. , 2020, , . | | 0 |
| 71 | Optimization of channel dimensions and gas diffusion layer thickness based on mass transfer characteristics of proton exchange membrane fuel cell. , 2020, , . | | 0 |
| 72 | Optimal sizing of fuel cell electric vehicle powertrain considering multiple objectives. , 2020, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | A Novel Framework for Optimal Sizing of A DC Microgrid Considering Energy Management and Battery Degradation. , 2020, , . | | 1 |
| 74 | Optimization of gas feeding operations for polymer electrolyte membrane fuel cell with the co-flow feeding gas mode. , 2020, , . | | 0 |
| 75 | Experimental study on metallic bipolar plates fuel cell system with high power density. , 2020, , . | | 0 |
| 76 | Micro-Short-Circuit Diagnosis for Series-Connected Lithium-Ion Battery Packs Using Mean-Difference Model. IEEE Transactions on Industrial Electronics, 2019, 66, 2132-2142. | 5.2 | 167 |
| 77 | A semiempirical dynamic model of reversible open circuit voltage drop in a PEM fuel cell. International Journal of Energy Research, 2019, 43, 2550-2561. | 2.2 | 9 |
| 78 | Lithium-ion battery fast charging: A review. ETransportation, 2019, 1, 100011. | 6.8 | 835 |
| 79 | Online State-of-Health Estimation for Li-Ion Battery Using Partial Charging Segment Based on Support Vector Machine. IEEE Transactions on Vehicular Technology, 2019, 68, 8583-8592. | 3.9 | 265 |
| 80 | Efficiency Improvement of Wireless Charging System Based on Active Power Source in Receiver. IEEE Access, 2019, 7, 98136-98143. | 2.6 | 8 |
| 81 | Comparative Analysis of Technical Route and Market Development for Light-Duty PHEV in China and the US. Energies, 2019, 12, 3753. | 1.6 | 13 |
| 82 | Size distribution and elemental composition of vent particles from abused prismatic Ni-rich automotive lithium-ion batteries. Journal of Energy Storage, 2019, 26, 100991. | 3.9 | 38 |
| 83 | An Economy Evaluation Method for Fuel Cell Hybrid Powertrain System. , 2019, , . | | 1 |
| 84 | Energy Management of a Dual-Engine System for Hybrid Heavy-Duty Vehicles. , 2019, , . | | 1 |
| 85 | Key Characteristics for Thermal Runaway of Li-ion Batteries. Energy Procedia, 2019, 158, 4684-4689. | 1.8 | 59 |
| 86 | 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. | 5.1 | 49 |
| 87 | 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, . | 1.1 | 17 |
| 88 | Flammability characteristics of the battery vent gas: A case of NCA and LFP lithium-ion batteries during external heating abuse. Journal of Energy Storage, 2019, 24, 100775. | 3.9 | 66 |
| 89 | An accurate parameters extraction method for a novel on-board battery model considering electrochemical properties. Journal of Energy Storage, 2019, 24, 100745. | 3.9 | 30 |
| 90 | Building ultraconformal protective layers on both secondary and primary particles of layered lithium transition metal oxide cathodes. Nature Energy, 2019, 4, 484-494. | 19.8 | 345 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | 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. | 4.5 | 116 |
| 92 | Investigating the thermal runaway mechanisms of lithium-ion batteries based on thermal analysis database. <i>Applied Energy</i> , 2019, 246, 53-64. | 5.1 | 358 |
| 93 | 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. | 4.4 | 27 |
| 94 | Hardware-in-the-loop Simulation of Electronic Differential Moment Power Steering Control Strategy for Multi-axle Vehicle. , 2019, , . | | 1 |
| 95 | Study on Sensitivity of Internal States to Operating Conditions within PEM Fuel Cell. , 2019, , . | | 0 |
| 96 | A comparative investigation of aging effects on thermal runaway behavior of lithium-ion batteries. <i>ETransportation</i> , 2019, 2, 100034. | 6.8 | 230 |
| 97 | Thermal Runaway Triggered by Plated Lithium on the Anode after Fast Charging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46839-46850. | 4.0 | 144 |
| 98 | 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. | 3.1 | 47 |
| 99 | A graphical model for evaluating the status of series-connected lithium-ion battery pack. <i>International Journal of Energy Research</i> , 2019, 43, 749-766. | 2.2 | 20 |
| 100 | Self-Humidification of a Polymer Electrolyte Membrane Fuel Cell System With Cathodic Exhaust Gas Recirculation. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2018, 15, . | 1.1 | 6 |
| 101 | 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. | 4.0 | 330 |
| 102 | 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. | 4.0 | 44 |
| 103 | Component sizing optimization of plug-in hybrid electric vehicles with the hybrid energy storage system. <i>Energy</i> , 2018, 144, 393-403. | 4.5 | 103 |
| 104 | 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. | 3.9 | 166 |
| 105 | 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. | 4.0 | 192 |
| 106 | Thermal runaway mechanism of lithium ion battery for electric vehicles: A review. <i>Energy Storage Materials</i> , 2018, 10, 246-267. | 9.5 | 1,939 |
| 107 | Hybrid Lithium Iron Phosphate Battery and Lithium Titanate Battery Systems for Electric Buses. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 956-965. | 3.9 | 42 |
| 108 | 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. | 3.9 | 369 |

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|-----|---|------|-----------|
| 109 | 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, . | 1.2 | 89 |
| 110 | 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. | 1.3 | 98 |
| 111 | Parameter Identification Method for Fractional-order Model of Lithium-ion Battery. , 2018, , . | | 2 |
| 112 | Internal short circuit detection method for battery pack based on circuit topology. <i>Science China Technological Sciences</i> , 2018, 61, 1502-1511. | 2.0 | 28 |
| 113 | Incremental Capacity Analysis on Commercial Lithium-Ion Batteries Using Support Vector Regression: A Parametric Study. <i>Energies</i> , 2018, 11, 2323. | 1.6 | 33 |
| 114 | Progress review of US-China joint research on advanced technologies for plug-in electric vehicles. <i>Science China Technological Sciences</i> , 2018, 61, 1431-1445. | 2.0 | 16 |
| 115 | Model-based thermal runaway prediction of lithium-ion batteries from kinetics analysis of cell components. <i>Applied Energy</i> , 2018, 228, 633-644. | 5.1 | 241 |
| 116 | Thermal Runaway of Lithium-Ion Batteries without Internal Short Circuit. <i>Joule</i> , 2018, 2, 2047-2064. | 11.7 | 442 |
| 117 | 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. | 3.9 | 36 |
| 118 | Interactions between a polymer electrolyte membrane fuel cell and boost converter utilizing a multiscale model. <i>Journal of Power Sources</i> , 2018, 395, 237-250. | 4.0 | 16 |
| 119 | Parameter extraction of polymer electrolyte membrane fuel cell based on quasi-dynamic model and periphery signals. <i>Energy</i> , 2017, 122, 675-690. | 4.5 | 21 |
| 120 | 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. | 3.8 | 27 |
| 121 | Nonlinear observation of internal states of fuel cell cathode utilizing a high-order sliding-mode algorithm. <i>Journal of Power Sources</i> , 2017, 356, 56-71. | 4.0 | 21 |
| 122 | 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. | 4.5 | 65 |
| 123 | Energy management and design optimization for a series-parallel PHEV city bus. <i>International Journal of Automotive Technology</i> , 2017, 18, 473-487. | 0.7 | 16 |
| 124 | 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. | 3.8 | 29 |
| 125 | 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. | 1.3 | 64 |
| 126 | An electrochemical-thermal coupled overcharge-to-thermal-runaway model for lithium ion battery. <i>Journal of Power Sources</i> , 2017, 364, 328-340. | 4.0 | 294 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | 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. | 3.8 | 19 |
| 128 | Optimal torque distribution strategy considering energy loss and tire adhesion for 4WD electric vehicles. , 2017, , . | | 6 |
| 129 | Recent Progress on the Key Materials and Components for Proton Exchange Membrane Fuel Cells in Vehicle Applications. Energies, 2016, 9, 603. | 1.6 | 64 |
| 130 | Development of a PEM Fuel Cell City Bus with a Hierarchical Control System. Energies, 2016, 9, 417. | 1.6 | 24 |
| 131 | State of Charge, State of Health and State of Function Co-Estimation of Lithium-Ion Batteries for Electric Vehicles. , 2016, , . | | 9 |
| 132 | Online Weld Breakage Diagnosis for the Battery of Electric Vehicle: A Data-Driven Approach. , 2016, , . | | 1 |
| 133 | Multi-objective energy management optimization and parameter sizing for proton exchange membrane hybrid fuel cell vehicles. Energy Conversion and Management, 2016, 129, 108-121. | 4.4 | 214 |
| 134 | Design of a multi-channel gas sampling system for fuel cell with dead-ended anode configuration. , 2016, , . | | 0 |
| 135 | Comparison study on life-cycle costs of different trams powered by fuel cell systems and others. International Journal of Hydrogen Energy, 2016, 41, 16577-16591. | 3.8 | 28 |
| 136 | Fuel cell system degradation analysis of a Chinese plug-in hybrid fuel cell city bus. International Journal of Hydrogen Energy, 2016, 41, 15295-15310. | 3.8 | 64 |
| 137 | A 3D thermal runaway propagation model for a large format lithium ion battery module. Energy, 2016, 115, 194-208. | 4.5 | 279 |
| 138 | Mechanism of the entire overdischarge process and overdischarge-induced internal short circuit in lithium-ion batteries. Scientific Reports, 2016, 6, 30248. | 1.6 | 153 |
| 139 | Determination of the battery pack capacity considering the estimation error using a Capacityâ€“Quantity diagram. Applied Energy, 2016, 177, 384-392. | 5.1 | 21 |
| 140 | Online internal short circuit detection for a large format lithium ion battery. Applied Energy, 2016, 161, 168-180. | 5.1 | 251 |
| 141 | Energy flow modeling and real-time control design basing on mean values for maximizing driving mileage of a fuel cell bus. International Journal of Hydrogen Energy, 2015, 40, 15052-15066. | 3.8 | 37 |
| 142 | Optimized Torque Distribution Strategy for In-Wheel-Drive Electric Vehicles to Reduce Tire Wear. , 2015, , . | | 1 |
| 143 | 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, . | 0.9 | 15 |
| 144 | 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. Journal of Power Sources, 2015, 279, 626-635. | 4.0 | 197 |

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|-----|--|-----|-----------|
| 145 | Online estimation of lithium-ion battery remaining discharge capacity through differential voltage analysis. Journal of Power Sources, 2015, 274, 971-989. | 4.0 | 63 |
| 146 | Beijing passenger car travel survey: implications for alternative fuel vehicle deployment. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 817-835. | 1.0 | 47 |
| 147 | Energy consumption of electric vehicles based on real-world driving patterns: A case study of Beijing. Applied Energy, 2015, 157, 710-719. | 5.1 | 153 |
| 148 | A highly accurate predictive-adaptive method for lithium-ion battery remaining discharge energy prediction in electric vehicle applications. Applied Energy, 2015, 149, 297-314. | 5.1 | 87 |
| 149 | Thermal runaway propagation model for designing a safer battery pack with 25 Ah LiNi Co Mn O ₂ large format lithium ion battery. Applied Energy, 2015, 154, 74-91. | 5.1 | 293 |
| 150 | Multi-objective component sizing based on optimal energy management strategy of fuel cell electric vehicles. Applied Energy, 2015, 157, 664-674. | 5.1 | 159 |
| 151 | Energy and environmental life-cycle assessment of passenger car electrification based on Beijing driving patterns. Science China Technological Sciences, 2015, 58, 659-668. | 2.0 | 12 |
| 152 | The optimization of a hybrid energy storage system at subzero temperatures: Energy management strategy design and battery heating requirement analysis. Applied Energy, 2015, 159, 576-588. | 5.1 | 95 |
| 153 | Internal short circuit detection for battery pack using equivalent parameter and consistency method. Journal of Power Sources, 2015, 294, 272-283. | 4.0 | 191 |
| 154 | Characterization of penetration induced thermal runaway propagation process within a large format lithium ion battery module. Journal of Power Sources, 2015, 275, 261-273. | 4.0 | 372 |
| 155 | A comparison study of different semi-active hybrid energy storage system topologies for electric vehicles. Journal of Power Sources, 2015, 274, 400-411. | 4.0 | 170 |
| 156 | Energy management of plug-in hybrid electric vehicles with unknown trip length. Journal of the Franklin Institute, 2015, 352, 500-518. | 1.9 | 37 |
| 157 | Levelized costs of conventional and battery electric vehicles in china: Beijing experiences. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1229-1246. | 1.0 | 29 |
| 158 | Optimal Velocity Control for a Battery Electric Vehicle Driven by Permanent Magnet Synchronous Motors. Mathematical Problems in Engineering, 2014, 2014, 1-14. | 0.6 | 14 |
| 159 | A comparative study of equivalent circuit models and enhanced equivalent circuit models of lithium-ion batteries with different model structures. , 2014, , . | | 9 |
| 160 | Battery Sizing for Plug-in Hybrid Electric Vehicles in Beijing: A TCO Model Based Analysis. Energies, 2014, 7, 5374-5399. | 1.6 | 25 |
| 161 | Research on the control of the generating system in the walking machines. , 2014, , . | | 0 |
| 162 | Analysis of the heat generation of lithium-ion battery during charging and discharging considering different influencing factors. Journal of Thermal Analysis and Calorimetry, 2014, 116, 1001-1010. | 2.0 | 180 |

| # | ARTICLE | IF | CITATIONS |
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