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Recent Advances in Lithium-Ion Battery Safety and Aging Issues for Electric Vehicles

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Message from the Guest Editors

Dear Colleagues,

The continuous development of automobile electrification is of great significance to achieve carbon neutrality in the transportation field. Recently, the development of high-energy-density, large-scale, and fast charging of automotive power batteries has increased people's concerns about battery safety and aging. These two issues have been crucial to the normal use of electric vehicles under complex working conditions for several years. Additionally, retired batteries have become the focus of academic and industrial attention, and it is becoming an increasingly important topic to evaluate their safety and aging state to determine their residual values.

This Special Issue is a dedicated outlet for novel and original research on all aspects of recent advances in lithium-ion battery safety and aging issues for electric vehicles, including experiment, characterization, mechanism, modeling, algorithm, system, etc. In particular, we invite papers focusing on the gap between basic research and practical application to accelerate EV development.



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Special Issue



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Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of the World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal has aimed to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

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