Special Issue

Modeling, Reliability and Health Management of Lithium-Ion Batteries

Message from the Guest Editors

With the increasing attention paid to environmental issues, “carbon neutrality” has become one of the policy goals of many countries and regions. The development of new energy vehicles and battery energy storage is of great significance for the control of carbon emissions. As a key component of new energy vehicles and energy storage systems, battery life and cost directly affect the life and economy of the whole system. Therefore, how to improve the reliability, durability and economy of the whole life cycle of the battery system has become an urgent scientific and major engineering problem. This Special Issue will focus on battery energy storage and its health management system. Papers are invited in all different areas of battery health management, as battery energy storage is a multidisciplinary topic that involves research areas such as electrochemistry, materials, control, electrical and mechanical issues, as well as economic and environmental aspects. Both theoretical and experimental works, and, especially, the combination of these, are welcome.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

Editor-in-Chief

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