Special Issue

Electrochemical Battery Lifetime Testing, Analysis and Estimation

Message from the Guest Editor

In the past decade, electrochemical batteries have been developed as the key energy storage technology for a wide range of applications, from portable devices to electric vehicles and renewable energy storage systems. In order to benefit from their characteristics and to assess their suitability for a certain application, the lifetime and degradation behavior (e.g., capacity fade, power degradation) of a battery needs to be known and understood. This Special Issue of *Batteries* focuses on various aspects regarding the lifetime and degradation behavior of batteries.

keywords

- Electrochemical Batteries
- Lifetime Testing
- Accelerated Ageing
- Capacity Fade and Power Degradation
- Calendar and Cycle Lifetime
- Performance-Degradation Modeling
- Lifetime Estimation and Investigation
- Aging Mechanisms

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