Special Issue

Battery Aging and Fast Charging

Message from the Guest Editor

Electrochemical storage systems are more and more considered today. However, aging is one of the most significant aspects to be analyzed, both for stationary and mobile applications. However, battery manufacturers give to the users very little information, mainly about lifecycles executed at a nominal current. This is obviously not very helpful, when the battery is solicited at very high current rates, e.g., during fast charging of pure electric vehicles, with extended state-of-charge variation at high current rates. This Special Issue therefore seeks to address this lack of knowledge by inviting papers on innovative technical developments, identification algorithms, and experimental results on battery aging when subjected to fast charging.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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