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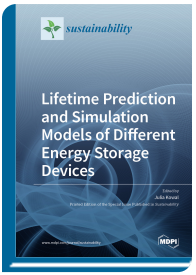
*Special Issue Reprint*

# Lifetime Prediction and Simulation Models of Different Energy Storage Devices

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Energy storage is one of the most important enablers for the transformation to a sustainable energy supply with greater mobility. For vehicles, but also for many stationary applications, the batteries used for energy storage are very flexible but also have a rather limited lifetime compared to other storage principles. This Special Issue is a collection of articles that collectively address the following questions:

- What are the factors influencing the aging of different energy storage technologies?
- How can we extend the lifetime of storage systems?
- How can the aging of an energy storage be detected and predicted? When do we have to exchange the storage device?

The articles cover lithium-ion batteries, supercaps, and flywheels.

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