

## Special Issue

# Advanced Battery Technologies for Energy Storage Devices

### Message from the Guest Editor

The energy storage system (ESS) is used to balance supply and demand on the electrical grid and is being recognized as a useful device for grids to support energy efficiency using load leveling as well as intermittent sources from wind power or solar power.

Key to the current deployment of ESS is the development and economics of rechargeable batteries such as the lithium-ion battery, redox flow battery, and sodium-sulfur battery, et al. Therefore, this issue aims to contribute to the further development of ESS technology through recent scientific and engineering studies to improve the performance and economics of energy-storage devices focusing on rechargeable battery technologies. We therefore invite papers on advanced technical developments, new findings, reviews, case studies, as well as degradation and simulation studies on health of batteries.

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### Guest Editor

Prof. Dr. Young-Jun Kim

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### Deadline for manuscript submissions

closed (30 November 2021)



## Energies

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## About the Journal

### 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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### Editor-in-Chief

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