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Electrochemical Energy Conversion and Storage Technologies 2018

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Deadline for manuscript
submissions:

closed (30 September 2018)

Message from the Guest Editors

Dear Colleagues,

Energy storage technologies are highly desired for our modern lives. Electrochemical batteries are among of the most promising solutions due to their high flexibility, energy and power. The current state-of-the-art Li-ion batteries have been a great success in portable electronic devices, electronic vehicles and smart grids. However, the breakthroughs in low cost and high energy storage materials and new energy storage devices are still highly important to promote various applications for battery technologies. In addition, a deep understanding of the underlying reaction mechanisms using advanced in situ and ex situ characterizations are also of great importance for both fundamental and practical applications of energy storage technologies. This Special Issue calls for papers on topics related to electrochemical energy storage materials, chemistries, and electrocatalysis.

Prof. Dr. Hee-Je Kim

Dr. Huilin Pan

Guest Editors



mdpi.com/si/13916

Special Issue



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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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