Electrochemical Energy Conversion and Storage Technologies 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


**Editor-in-Chief**

**Prof. Dr. Enrico Sciubba**  
Room 32, Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

**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.

**Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High visibility:** indexed by the Science Citation Index Expanded (Web of Science), Ei Compendex, Scopus and other databases.

**Rapid publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 13.4 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the second half of 2018).

**Contact Us**

*Energies*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
www.mdpi.com  
energies@mdpi.com  
@energies_mdpi