electrochem

an Open Access Journal by MDPI

CITESCORE 6.3

Advances in Electrochemical Energy Storage Systems

Guest Editors:

Dr. Qi Zhang
School of Control Science and Engineering, Shandong University, Jinan 250061, China

Dr. Wenhui Pei
School of Information Science and Electrical Engineering, Shandong Jiaotong University, Jinan 250023, China

Dr. Xudong Liu
School of Automation, Qingdao University, Qingdao 266071, China

Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

Potential topics include, but are not limited to:

- Electrochemical materials for energy storage batteries;
- Key technology of battery management systems (BMSs);
- Bidirectional converters for electrochemical energy storage systems;
- Energy management of electrochemical energy storage systems;
- Optimized design and control of electrical components for energy storage systems;
- Thermal management of electrochemical energy storage systems;
- Optimized control of power electronics and power drives;
- Vehicle-to-grid and energy storage systems-to-grid;
- Key technology of unmanned aerial vehicle (UAV) and unmanned vehicles.

Keywords

- energy storage batteries
- battery management systems (BMSs)
- bidirectional energy storage converters
- energy management systems (EMSs)
- electrical components
- thermal management systems
- power electronics and power drives
- smart grid
- unmanned vehicles

mdpi.com/si/119391

Special Issue