

Special Issue

Material Design and Development for Redox Flow Batteries II

Message from the Guest Editor

Renewable resources, such as wind and solar, are becoming competitive technologies with a steady increase in production volume and decrease in energy generation costs. The problems associated with the intermittency and the fluctuating nature of renewables increasingly threaten the stability of the electricity grid. Redox flow batteries (RFBs), which are essentially rechargeable batteries with electroactive chemicals dissolved in solutions, offer a way to store excess energy at varying scales. A serious current challenge is the discovery and development of key material components for the advancement of RFB technologies. In this Special Issue of Batteries, we invite both fundamental and applied research articles and reviews addressing issues related to the development or application of RFB active materials, electrodes, electrolytes, catalysts, membranes, modeling and characterization techniques.

Guest Editor

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