

Special Issue

Functional Materials for Electrochemical Water Desalination

Message from the Guest Editors

Ion transport is one of the basic principles for the development of many technologies, which can improve the life quality such as the ever-growing of clean and sustainable energy, the development of water scarcity, even for the improvement of fundamental knowledge toward medical applications. Yet, freshwater appears to be running short due to the increasing world population, industrialization, and climate change. There is an urgent need to seek out alternative freshwater; hence, water desalination and ions separation technologies have become major interest. The prime goal of this Special Issue is to shed more light on the energy-efficient ions separation from water by utilizing advanced and well-engineered materials. We invite both review articles and original/fundamental research articles in this area.

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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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