



Encyclopedia of Electrochemical Energy Storage and Conversion

Collection Editors:

Prof. Dr. Rudolf Holze

Prof. Dr. Xuecheng Chen

Prof. Dr. Lijun Fu

Dr. Michael Schneider

Dr. Deepak Dubal

Message from the Collection Editors

Energy storage, in particular storage of electric energy, is of tremendous importance beyond the omnipresent interest in powering mobile devices and cars. Large-scale affordable storage will be the key issue in the use of renewable energy sources. This storage is intimately connected with electrochemical energy conversion. Because research and development in this area is extremely interdisciplinary, researchers, as well as students, entering this field from different backgrounds may frequently be looking for basic information. In the currently available textbooks of electrochemistry, energy conversion and storage are just one topic among many; specialized monographs frequently require extensive knowledge on the reader's part.

The present entry collection will provide an open access collection to close the gaps. It will contain basic-level contributions describing the fundamentals with an eye to their application in the field; it will also have sections on practical aspects. Most entries will deal with specific systems and devices covering general and basic aspects as well as details of advanced developments and applications.

Look forward to your high-quality contributions.

