Sustainable Energy Storage in the Scope of Circular Economy: Advanced Materials and Device Design
Carlos Miguel Costa (Editor), Renato Goncalves (Editor), Senentxu Lanceros-Mendez (Editor)

Hardcover 978-1-119-81768-0 April 2023 Pre-order £150.00

DESCRIPTION

Comprehensive resource reviewing recent developments in the design and application of energy storage devices

*Sustainable Energy Storage in the Scope of Circular Economy* reviews the recent developments in energy storage devices based on sustainable materials within the framework of the circular economy, addressing the sustainable design and application of energy storage devices with consideration of the key advantages and remaining challenges in this rapidly evolving research field.

Topics covered include:

• Sustainable materials for batteries and fuel cell devices

• Multifunctional sustainable materials for energy storage

• Energy storage devices in the scope of the Internet of Things

• Sustainable energy storage devices and device design for sensors and actuators

• Waste prevention for energy storage devices based on second life and recycling procedures

With detailed information on today’s most effective energy storage devices, *Sustainable Energy Storage in the Scope of Circular Economy* is a key resource for academic researchers, industrial scientists and engineers, and students in related programs of study who wish to understand the state of the art in this field.
ABOUT THE AUTHOR

Carlos Miguel Costa, Research, Centre of Physics, University of Minho, Portugal. Renato Gonçalves, Research, Centre of Chemistry, University of do Minho, Portugal. Senentxu Lanceros-Méndez, Research Professor and Scientific Director, BCMaterials, Basque Center for Materials, Applications and Nanostructures, Spain.

To purchase this product, please visit https://www.wiley.com/en-gb/9781119817680