Sustainable and Green Electrochemical Science and Technology
Prof Keith Scott

**DESCRIPTION**

*Sustainable and Green Electrochemical Science and Technology* brings together the basic concepts of electrochemical science and engineering and shows how these are applied in an industrial context, emphasising the major role that electrochemistry plays within society and industry in providing cleaner, greener and more sustainable technologies. Electrochemistry has many applications for sustainability; it can be used to store energy, synthesise materials and chemicals, to generate power and to recycle valuable resources.

Coverage includes

- Electrochemistry, Electrocatalysis and Thermodynamics
- Electrochemical Cells, Materials and Reactors
- Carbon Dioxide Reduction and Electro-Organic Synthesis
- Hydrogen production and Water Electrolysis
- Inorganic Synthesis
- Electrochemical Energy Storage and Power Sources
• Electrochemical processes for recycling and resource recovery

• Fuel Cell Technologies

This book is targeted at both industrial and academic readers, providing a good technological reference base for electrochemistry. It will enable the reader to build on basic principles of electrochemistry, and takes these through to cell design for various and diverse applications.

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