Solid-State Ionics-2006: Volume 972 (Hardback)

By -

Materials Research Society, United States, 2007. Hardback. Condition: New. New. Language: English. Brand New Book. Solid-state ionics is at the foundation for the development of environmentally friendly devices such as batteries and fuel cells for energy storage and conversion, and chemical sensors for pollution monitoring and control. The progress of such devices is crucial for sustainable development. Further insight into the study of fundamentals of ion transport and interfacial phenomena in advanced materials, including ceramics, glasses, polymers, composites and hybrids will allow better design, fabrication and performance of devices for their extensive use. This book is intended to help promote the fundamental understanding of ionic (including protonic) and electronic transport in solids, especially of interfacial transport, including the development field of nanostructured materials. Contributions encompass fundamental materials RD, characterization and materials for batteries, sensors, membranes, and fuel cells. Special emphasis is given to the development of high-temperature proton conductors and their application in solid-oxide fuel cells and hydrogen permeation membranes.

Reviews

This created pdf is fantastic. Indeed, it can be perform, nonetheless an interesting and amazing literature. Its been developed in an remarkably straightforward way and is particularly simply following i finished reading this publication by which in fact altered me, alter the way i really believe.
-- Amanda Hand Jr.

A must buy book if you need to adding benefit. Of course, it is actually perform, still an interesting and amazing literature. I am delighted to explain how this is basically the best book i actually have read through during my individual life and may be he best book for at any time.
-- Jarod Bartoletti