DESCRIPTION

The second edition is based on the original book, which has been revised, updated and expanded in order to cover the latest information on this rapidly growing field. The book begins with a description of general and electrochemical properties of ionic liquids and continues with a discussion of applications in biochemistry, ionic devices, functional design and polymeric ionic liquids.

The new edition includes new chapters on Li ion Batteries and Actuators, as well as a revision of existing chapters to include a discussion on purification and the effects of impurities, adsorption of ionic liquids on interfaces and on the electrochemical double layer, among other topics.

ABOUT THE AUTHOR

Hiroyuki Ohno, PhD, is a professor and Dean of the Institute of Symbiotic Science and a professor at the Tokyo University of Agriculture and Technology. He is renowned for his research and is a pioneer in the realm of ionic liquids and ion-conductive materials. The editor of the Wiley journal Polymers for Advanced Technologies, Professor Ohno has published more than 320 papers in the field of ionic liquids, as well as more than 145 reviews and book chapters.