



Electrochemistry in Ionic Liquids: Volume 1: Fundamentals

From Springer

Download now

Read Online 

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer

This set of two books dedicated to presenting the latest novel and advanced research from around the world in this exciting area. These books highlight the important properties of electrochemistry in ionic liquids – as opposed to the more commonly used aqueous and organic environments – and the many applications. Readers will find 20 chapters gathered in two books: The first volume critically discusses electrode-electrolyte interfacial processes, reference electrodes, ultramicroelectrode voltammetry and scanning electrochemical microscopy, semi-integral and convolution voltammetry, and small-angle X-ray scattering coupled with voltammetry. The structure and properties of protic ionic liquids, deep-eutectic solvents, task-specific ionic liquids, polymeric ion gels, and lithium-ion solvation, useful for electrochemical application is also critically discussed. The second volume's major topics covered in this book include electrodeposition and electroless deposition, voltammetry of adhered microparticles, electrochemistry of organic and organometallic compounds, electrocatalytic reactions, oxygen reduction reaction, ionic liquids in surface protection and lubrication, current industrial application of ionic liquids, and challenges, issues and recycling methods of ionic liquids in industrial developments.

 [Download Electrochemistry in Ionic Liquids: Volume 1: Fundamentals.pdf](#)

 [Read Online Electrochemistry in Ionic Liquids: Volume 1: Fundamentals.pdf](#)

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals

From Springer

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer

This set of two books dedicated to presenting the latest novel and advanced research from around the world in this exciting area. These books highlight the important properties of electrochemistry in ionic liquids – as opposed to the more commonly used aqueous and organic environments – and the many applications.

Readers will find 20 chapters gathered in two books: The first volume critically discusses electrode-electrolyte interfacial processes, reference electrodes, ultramicroelectrode voltammetry and scanning electrochemical microscopy, semi-integral and convolution voltammetry, and small-angle X-ray scattering coupled with voltammetry. The structure and properties of protic ionic liquids, deep-eutectic solvents, task-specific ionic liquids, polymeric ion gels, and lithium-ion solvation, useful for electrochemical application is also critically discussed. The second volume's major topics covered in this book include electrodeposition and electroless deposition, voltammetry of adhered microparticles, electrochemistry of organic and organometallic compounds, electrocatalytic reactions, oxygen reduction reaction, ionic liquids in surface protection and lubrication, current industrial application of ionic liquids, and challenges, issues and recycling methods of ionic liquids in industrial developments.

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer Bibliography

- Sales Rank: #5366655 in Books
- Published on: 2015-07-22
- Original language: English
- Number of items: 1
- Dimensions: 9.49" h x .99" w x 6.19" l, .0 pounds
- Binding: Hardcover
- 351 pages



[Download Electrochemistry in Ionic Liquids: Volume 1: Fundamentals.pdf](#)



[Read Online Electrochemistry in Ionic Liquids: Volume 1: Fundamentals.pdf](#)

Download and Read Free Online Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer

Editorial Review

From the Back Cover

Electrochemistry in Ionic Liquids is a set of two books dedicated to presenting the latest novel and advanced research from around the world in this exciting area. These books highlight the important properties of electrochemistry in ionic liquids – as opposed to the more commonly used aqueous and organic environments – and the many applications. Readers will find 20 chapters gathered in two books:

Electrochemistry in Ionic Liquids – Volume 1, Fundamentals: This book critically discusses electrode-electrolyte interfacial processes, reference electrodes, ultramicroelectrode voltammetry and scanning electrochemical microscopy, semi-integral and convolution voltammetry, and small-angle X-ray scattering coupled with voltammetry. The structure and properties of protic ionic liquids, deep-eutectic solvents, task-specific ionic liquids, polymeric ion gels, and lithium-ion solvation, useful for electrochemical application is also critically discussed.

Electrochemistry in Ionic Liquids – Volume 2, Applications: The major topics covered in this book include electrodeposition and electroless deposition, voltammetry of adhered microparticles, electrochemistry of organic and organometallic compounds, electrocatalytic reactions, oxygen reduction reaction, ionic liquids in surface protection and lubrication, current industrial application of ionic liquids, and challenges, issues and recycling methods of ionic liquids in industrial developments.

About the Author

Dr. Angel A. J. Torriero is a Lecturer of Chemistry and Electrochemistry at Deakin University, Melbourne, Australia. He has published more than 50-refereed papers (h-index = 18; Scopus, November 2014), six book chapters, several patents, and one book, *Electrochemical Properties and Applications of Ionic Liquids* in 2011. Dr. Torriero has a broad interest in both fundamental and applied electrochemistry and has made significant contributions in a number of fields, including analytical electrochemistry, biosensor, bioelectrochemistry, organic and organometallic electrochemistry, and most recently internal reference systems for ionic liquids.

Users Review

From reader reviews:

Diane Numbers:

Do you have something that you like such as book? The publication lovers usually prefer to opt for book like comic, quick story and the biggest you are novel. Now, why not seeking *Electrochemistry in Ionic Liquids: Volume 1: Fundamentals* that give your enjoyment preference will be satisfied by means of reading this book. Reading habit all over the world can be said as the means for people to know world better then how they react to the world. It can't be stated constantly that reading addiction only for the geeky man but for all of you who wants to become success person. So , for every you who want to start reading as your good habit, you may pick *Electrochemistry in Ionic Liquids: Volume 1: Fundamentals* become your current starter.

John Guenther:

Beside this specific Electrochemistry in Ionic Liquids: Volume 1: Fundamentals in your phone, it could possibly give you a way to get more close to the new knowledge or facts. The information and the knowledge you may got here is fresh through the oven so don't always be worry if you feel like an previous people live in narrow town. It is good thing to have Electrochemistry in Ionic Liquids: Volume 1: Fundamentals because this book offers for you readable information. Do you sometimes have book but you seldom get what it's interesting features of. Oh come on, that would not happen if you have this in your hand. The Enjoyable set up here cannot be questionable, such as treasuring beautiful island. Techniques you still want to miss the item? Find this book and also read it from today!

Virginia Doak:

You will get this Electrochemistry in Ionic Liquids: Volume 1: Fundamentals by go to the bookstore or Mall. Merely viewing or reviewing it may to be your solve problem if you get difficulties for ones knowledge. Kinds of this publication are various. Not only by simply written or printed but additionally can you enjoy this book simply by e-book. In the modern era like now, you just looking by your local mobile phone and searching what their problem. Right now, choose your current ways to get more information about your reserve. It is most important to arrange you to ultimately make your knowledge are still revise. Let's try to choose proper ways for you.

Raymond Jackson:

That reserve can make you to feel relax. This specific book Electrochemistry in Ionic Liquids: Volume 1: Fundamentals was colorful and of course has pictures on the website. As we know that book Electrochemistry in Ionic Liquids: Volume 1: Fundamentals has many kinds or variety. Start from kids until adolescents. For example Naruto or Private eye Conan you can read and think you are the character on there. Therefore , not at all of book are make you bored, any it can make you feel happy, fun and relax. Try to choose the best book for you and try to like reading that.

**Download and Read Online Electrochemistry in Ionic Liquids:
Volume 1: Fundamentals From Springer #TX81JZV9IU2**

Read Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer for online ebook

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer books to read online.

Online Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer ebook PDF download

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer Doc

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer Mobipocket

Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer EPub

TX81JZV9IU2: Electrochemistry in Ionic Liquids: Volume 1: Fundamentals From Springer