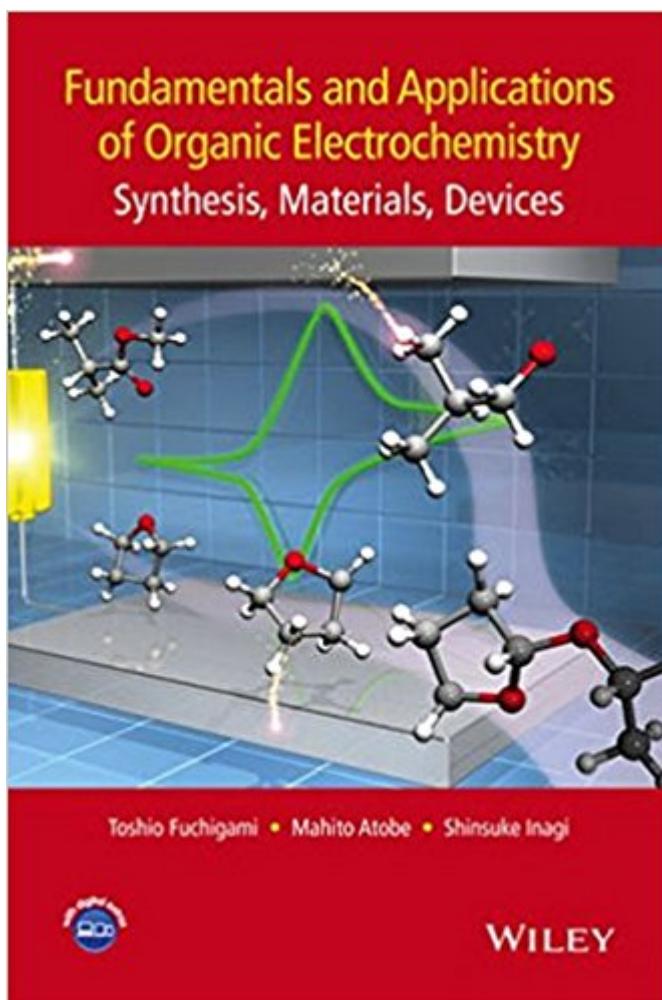


The book was found

Fundamentals And Applications Of Organic Electrochemistry: Synthesis, Materials, Devices



Synopsis

This textbook is an accessible overview of the broad field of organic electrochemistry, covering the fundamentals and applications of contemporary organic electrochemistry. The book begins with an introduction to the fundamental aspects of electrode electron transfer and methods for the electrochemical measurement of organic molecules. It then goes on to discuss organic electrosynthesis of molecules and macromolecules, including detailed experimental information for the electrochemical synthesis of organic compounds and conducting polymers. Later chapters highlight new methodology for organic electrochemical synthesis, for example electrolysis in ionic liquids, the application to organic electronic devices such as solar cells and LEDs, and examples of commercialized organic electrode processes. Appendices present useful supplementary information including experimental examples of organic electrosynthesis, and tables of physical data (redox potentials of various organic solvents and organic compounds and physical properties of various organic solvents).

Book Information

Hardcover: 238 pages

Publisher: Wiley; 1 edition (November 10, 2014)

Language: English

ISBN-10: 1118653173

ISBN-13: 978-1118653173

Product Dimensions: 6.3 x 0.7 x 9.3 inches

Shipping Weight: 15.5 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #504,558 in Books (See Top 100 in Books) #19 in Books > Science & Math > Chemistry > Electrochemistry #373 in Books > Science & Math > Chemistry > Physical & Theoretical #558 in Books > Science & Math > Chemistry > Organic

[Download to continue reading...](#)

Fundamentals and Applications of Organic Electrochemistry: Synthesis, Materials, Devices

Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of

Reagents for Organic Synthesis) Solid State Electrochemistry and Its Applications to Sensors and

Electronic Devices (Materials Science Monographs) Handbook of Organic Materials for Optical and

(Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic

and Optical Materials) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry

Series of Drug Synthesis) Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Environmental Electrochemistry: Fundamentals and Applications in Pollution Sensors and Abatement Organic Electronic Materials: Conjugated Polymers and Low Molecular Weight Organic Solids (Springer Series in Materials Science) Prostheses: Design, Types, and Complications (Biomedical Devices and Their Applications; Medical Devices and Equipment) Cycloaddition Reactions in Organic Synthesis, Volume 8 (Tetrahedron Organic Chemistry) The Chemistry of Metal-Organic Frameworks: Synthesis, Characterization, and Applications Strategic Applications of Named Reactions in Organic Synthesis Zinc Catalysis: Applications in Organic Synthesis Multicomponent Silicides for Thermoelectric Materials: Phase Stabilities, Synthesis, and Device Tailoring (SpringerBriefs in Materials) Progress in Electrochemistry of Organic Compounds 1 Synthetic Organic Electrochemistry, 2nd Edition Drug Delivery Devices: Fundamentals and Applications (Drugs and the Pharmaceutical Sciences) Optofluidics: Fundamentals, Devices, and Applications (McGraw-Hill Biophotonics) Organic Homemade Lotion Recipes - For All Skin Types (The Best Lotion DIY Recipes): Lotion Making For Beginners (organic lawn care manual, organic skin care, beauty and the beast)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)