

The book was found

Bioelectrochemistry: General Introduction (Bioelectrochemistry, Vol 1)



Synopsis

Volume 1 of this Series is intended to give the reader a fundamental understanding of the key areas deemed essential to the study of bioelectrochemistry. A thorough grasp of the theory and methodology of these basic topics is vital to cope successfully with the complex phenomena that currently face investigators in most bioelectrochemical laboratories. Chapter 1 outlines the nonequilibrium thermodynamics and kinetics of the processes involved, stressing the connection between the two approaches. Particular emphasis is placed on the enzymes catalyzing cytosolic reactions and membrane transport. The techniques discussed are sufficient for the study of systems in the steady state, but systems that are evolving towards the steady state, or show some other time-dependent behavior, require in addition the techniques of mathematical modelling. These are dealt with in some detail in Chapter 2, where network representation of the system is treated at length as the method of choice in carrying out appropriate simulations. In Chapter 3 attention is directed to the twin problems of water structure and ionic hydration. --This text refers to the Paperback edition.

Book Information

Series: Bioelectrochemistry, Vol 1

Hardcover: 368 pages

Publisher: Birkhauser; 1 edition (December 1994)

Language: English

ISBN-10: 0817626875

ISBN-13: 978-0817626877

Product Dimensions: 1 x 7 x 9.5 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #16,746,675 in Books (See Top 100 in Books) #91 in Books > Science & Math > Biological Sciences > Bioelectricity #306674 in Books > Textbooks > Science & Mathematics

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

Bioelectrochemistry: General Introduction (Bioelectrochemistry, Vol 1) Bioelectrochemistry of Biomacromolecules (Bioelectrochemistry (Birkhauser Verlag), Vol 5) Bioelectrochemistry IV: Nerve Muscle Function-Bioelectrochemistry, Mechanisms, Bioenergetics and Control (Nato Science Series: A:) Bioelectrochemistry of Cells and Tissues (Bioelectrochemistry: Principles and Practice)

Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Ace General Chemistry I: The EASY Guide to Ace General Chemistry I: (General Chemistry Study Guide, General Chemistry Review) Windows 10: From Beginner To Expert: A Complete User Guide to Microsoft's Intelligent New Operating System (Now With Bonus Chapter) (Windows - General ... General Guide, Windows - General Mastery,) Clinical Anesthesia Procedures of the Massachusetts General Hospital: Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General ... of the Massachusetts General Hospital) MASON JAR RECIPES BOOK SET 5 book in 1: Meals in Jars (vol.1); Salads in Jars (Vol. 2); Desserts in Jars (Vol. 3); Breakfasts in Jars (Vol. 4); Gifts in Jars (Vol. 5): Easy Mason Jar Recipe Cookbooks Standard Catalog of World Paper Money: General Issues to 1960 (Standard Catalog of World Paper Money. Vol 2 : General Issues, 8th ed) Standard Catalog of World Paper Money, General Issues, 1368-1960 (Standard Catalog of World Paper Money Vol 2: General Issues) Bioelectrochemistry II: Membrane Phenomena (Ettore Majorana International Science Series) Bioelectrochemistry I: Biological Redox Reactions (Emotions, Personality, and Psychotherapy) (No. 1) Best Asian Recipes from Mama Li's Kitchen BookSet - 4 books in 1: Chinese Take-Out Recipes (Vol 1); Wok (Vol 2); Asian Vegetarian and Vegan Recipes (Vol 3); Egg Roll, Spring Roll and Dumpling (Vol 4) Camping Cookbook 4 in 1 Book Set - Grilling Recipes (Vol. 1); Foil Packet Recipes (Vol. 2); Dutch Oven Recipes (Vol. 3) and: Camping Cookbook: Fun, Quick & Easy Campfire and Grilling Recipes (Vol 4) Standard Catalog of World Paper Money General Issues - 1368-1960 (Standard Catalog of World Paper Money 14th Edition: General Issues) Standard Catalog Of World Paper Money General Issues 1368-1960 (Standard Catalog of World Paper Money 13th edition: General Issues) General Class License Mastery: 2015-2019 General Class FCC Element 3 Question Pool Effective July 1, 2015 Review for the CLEP General Mathematics (Review for the Clep General Mathematics Examination) The ARRL General Class License Manual (Arrl General Class License Manual for the Radio Amateur)