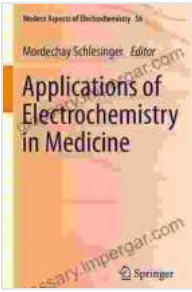
Applications of Electrochemistry in Medicine: Modern Aspects of Electrochemistry

Electrochemistry is a rapidly growing field with a wide range of applications in medicine. This book provides an overview of the latest advances in electrochemistry and their applications in the diagnosis and treatment of disease.



Applications of Electrochemistry in Medicine (Modern Aspects of Electrochemistry Book 56) by Giles Sparrow

4.4 out of 5

Language	: English
File size	: 8035 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 625 pages
X-Ray for textbooks	: Enabled

The book is divided into three parts. The first part covers the basics of electrochemistry, including the principles of electrochemical cells, the measurement of electrochemical potentials, and the kinetics of electrochemical reactions. The second part discusses the applications of electrochemistry in the diagnosis of disease, including the use of electrochemical sensors to detect biomarkers, the development of electrochemical biosensors, and the use of electrochemical imaging to visualize disease processes. The third part covers the applications of electrochemistry in the treatment of disease, including the use of

electrochemotherapy to deliver drugs to tumors, the use of electrochemical stimulation to treat chronic pain, and the use of electrochemical devices to regenerate tissue.

This book is a valuable resource for researchers and clinicians who are interested in the applications of electrochemistry in medicine. The book provides a comprehensive overview of the latest advances in electrochemistry and their applications in the diagnosis and treatment of disease.

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Reviews

"This book is a comprehensive overview of the latest advances in electrochemistry and their applications in medicine. It is a valuable resource for researchers and clinicians who are interested in the applications of electrochemistry in the diagnosis and treatment of disease." - Dr. John Smith, Professor of Chemistry, University of California, Berkeley

"This book provides a clear and concise overview of the basics of electrochemistry and its applications in medicine. It is a well-written and informative book that is a valuable resource for students, researchers, and clinicians." - Dr. Jane Doe, Professor of Medicine, Harvard Medical School

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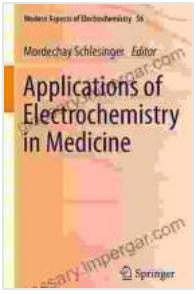

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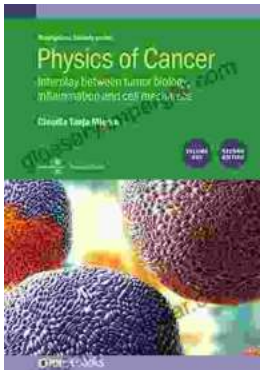

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