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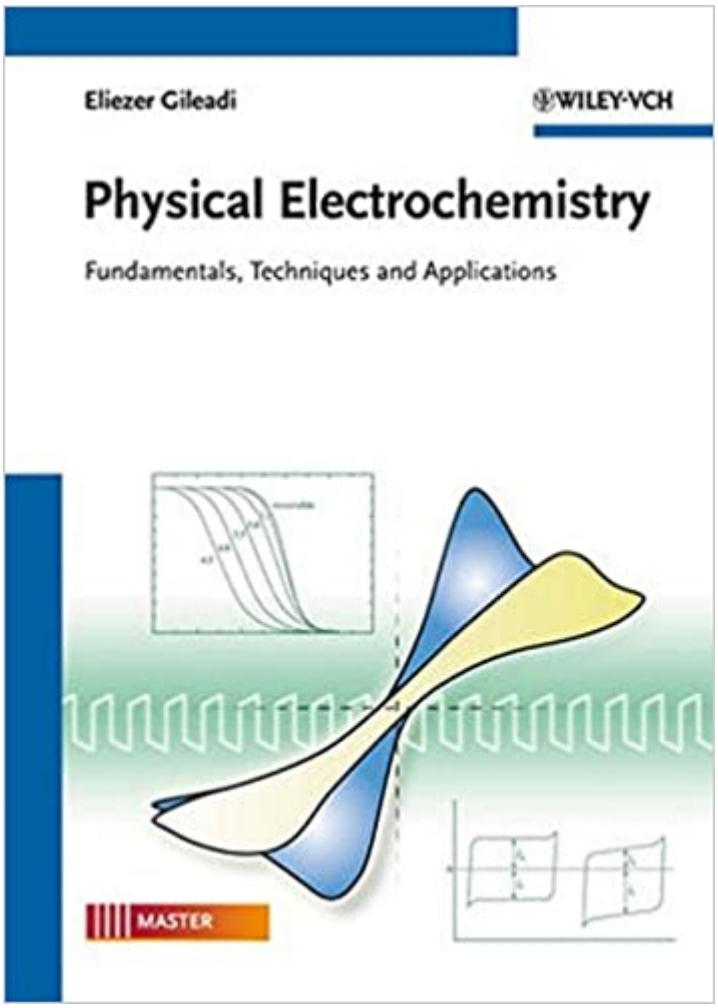

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Synopsis

This textbook covers the field of physical electrochemistry by introducing the reader to its central topics, including electrode kinetics and reactions, electrocapillarity, electrosorption, electrocatalysis, as well as the most important electrochemical methods. The book is a must-have for anyone wanting to learn more about the methods and their applications in related fields, such as corrosion, materials science, electroplating, nanotechnology and bioelectrochemistry.

Book Information

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From reviews of the project proposal: "The uniqueness of Gileadi's proposed book is that if offers excellent balance in introducing the entire field by focusing on a selection of important topics that can be covered within one semester course. ... I believe that the new proposed version will provide signficant improvement and over the existing one, focusing on updated topics of interest and being somewhat shorter. ... Prof. Eliezer Gileadi is a distinguished electrochemist with international reputation. He is the recognized authority on most of the topics of the book. Prof. Gileadi has taught at Case Western Reserve University an annual short course on electrochemical measurements, which used his previous book as a text. The course has been attended, over the years, by many hundreds of students ans has received excellent reviews." (Prof. Uziel Landau, Case Western Reserve University, Dept. of Chemical Eng., Cleveland, Ohio, USA) "Dr. Gileadi is one the best known electrochemists and teachers in the world today. His name is recognized by almost everyone in the field of electrochemistry. ... Just to say that I very much look forward to this new book in print,

and will certainly use it in teaching my courses." (Dr. B. MacDougall, National Research Council of Canada, Ontario, Canada)

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This is my first contact with the field of electrochemistry and I have to say this book is just perfect for beginners. I think it will also be handy as a reference for advanced students in the subject. If you are looking for advanced things or very detailed information, you'd better look somewhere else.

This is the best electrochemistry book on the market! It arrived to me in perfect condition.

Very especific on subjects at a deep level. At the same time clear and well written.I'll use it to give lessons on this subject at engineering course, in IPN, MÃƒÂ©xico.

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