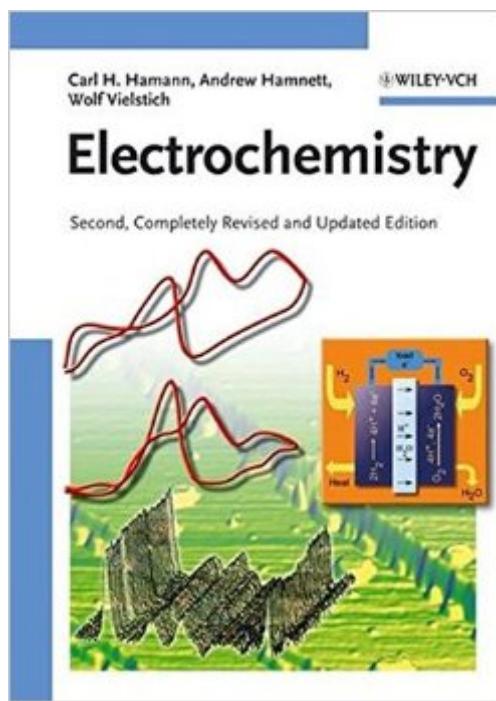


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Electrochemistry



Synopsis

This second, completely updated edition of a classic textbook provides a concise introduction to the fundamental principles of modern electrochemistry, with an emphasis on applications in energy technology. The renowned and experienced scientist authors present the material in a didactically skilful and lucid manner. They cover the physical-chemical fundamentals as well as such modern methods of investigation as spectroelectrochemistry and mass spectrometry, electrochemical analysis and production methods, as well as fuel cells and micro- and nanotechnology. The result is a must-have for advanced chemistry students as well as those studying chemical engineering, materials science and physics.

Book Information

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Average Customer Review: 3.8 out of 5 starsÂ See all reviewsÂ (10 customer reviews)

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Customer Reviews

If you have a class that requires this textbook, drop the class. This is the second worst textbook I have had the displeasure of ever purchasing, and it only beats out the first by a slim margin because the other than more typographical errors than this. You don't -learn- when reading this textbook. The information isn't structured in a way that is conducive to learning. This is the kind of textbook you look at after you understand everything within it, and want to refresh your memory on that one equation you suddenly find yourself needing, without explanation of its background nor in many cases the constants that make it up. Unless you have an absolutely stupendous teacher, in which case the purchasing of this book is pretty much worthless sans the chapter problems that

might be assigned, you will NOT learn anything.

As one of the other reviews has stated, this is a terrible book if you want to learn electrochemistry. Electrochemical Methods: Fundamentals and Applications by Bard and Faulkner is a vastly superior text book and explains concepts much clearer than Hamann. Hamann does go a little bit more in depth into thermodynamic concepts but Bard and Faulkner is the way to go.

A good book if you want to know a little more application of electrochemistry. It doesn't have a nitty gritty detail of theory but it was helpful for me to get ideas about some practical applications of the area.

I use this textbook for teaching an undergraduate electrochemistry class. The text covers most of the necessary topics and recommends IUPAC quantities, units, and symbols.

This book explains a lot, fill with countless of interesting formulas. However, some of them are a bit confusing to me. But overall, the best echem book i have ever had.

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