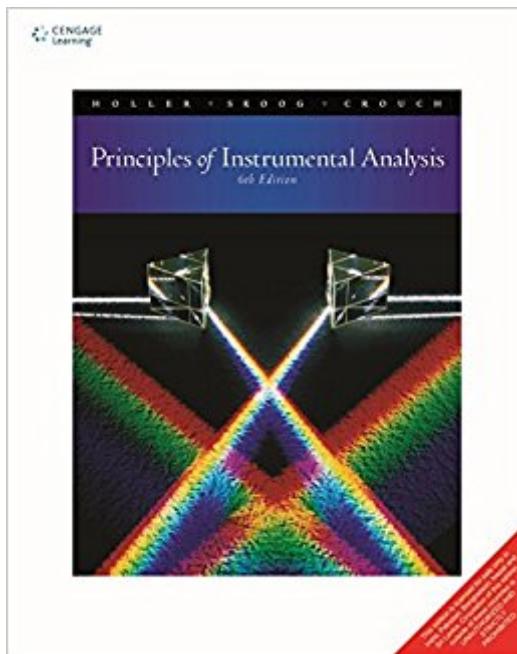


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Principles Of Instrumental Analysis

6th Edition



Synopsis

Written for a course that deals with the principles and applications of modern analytical instruments, this edition reflects updated techniques and a more applied approach with the addition of case studies. Emphasis is placed upon the theoretical basis of each type of instrument, its optimal area of application, its sensitivity, its precision and its limitations. The text also introduces students to elementary integrated circuitry, microprocessors and computers and treatment of analytical data.

Book Information

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Customer Reviews

I'm not sure why there are so many negative reviews of this book. I found it to be very solid when I used the 3rd edition. For those of you who don't like it you have 4 options: 1. "Instrumental Methods of Analysis", 7th edition, by Willard, Merritt, Dean, Settle; (ISBN 0534081428) which is excellent and a true classic. It's OOP now but the 8th edition is scheduled to be released February, 2016. (see ISBN-13: 978-0471713968, ISBN-10: 0471713961) 2. "Chemical Analysis: Modern Instrumentation Methods and Techniques", 2nd edition, by Francis Rouessac & Annick Rouessac. This is a very nice alternative textbook to Skoog with a simpler approach overall. 3. "Undergraduate Instrumental Analysis" 7th Edition by James W. Robinson, Eileen M. Skelly Frame, George M. Frame II. It's half-decent but some chapters haven't been updated in years. Also spends too many pages on NMR, IR and Raman. 4. "Chemical Instrumentation: A Systematic Approach" by Strobel and Heineman. This book is very hardware oriented and can't be considered true general instrumental analysis text. I'd also recommend that you buy "Statistics and Chemometrics for Analytical Chemistry" by James N. Miller & Jane C. Miller. It does a much better job than the cursory chapters

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