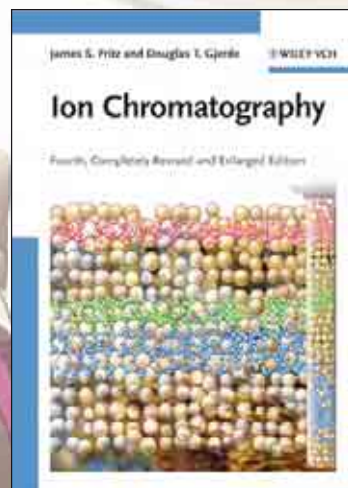
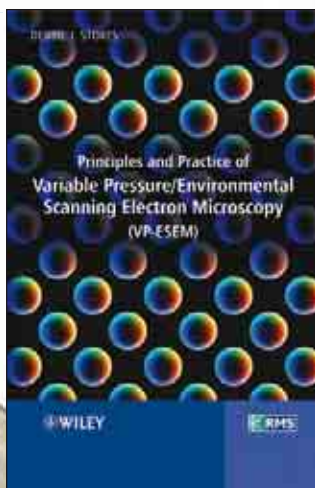
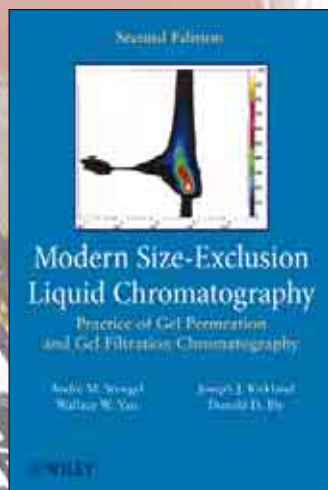


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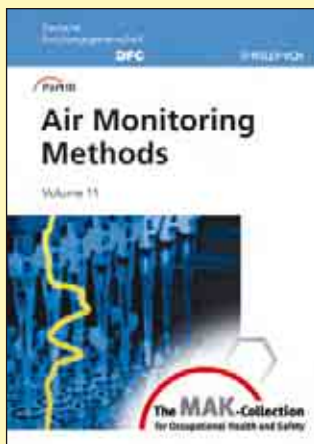


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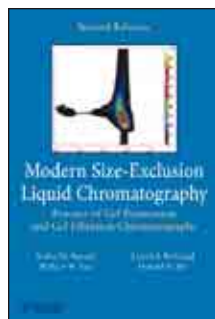
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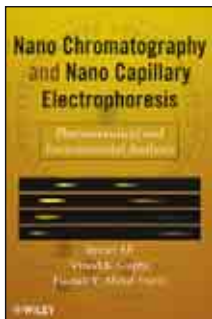
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Imran Ali, *National Inst. of Hydrology, India*;
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Slobodan Šašić, Editor

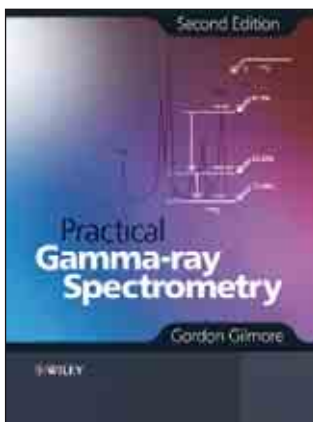
Pharmaceutical Applications of Raman Spectroscopy relates the basic theory of Raman effect and instrumentation and then addresses a wide range of pharmaceutical applications—those routinely used and those with promising potential. Applications cover a broad range from discovery to manufacturing in the pharmaceutical industry and include identifying polymorphs, monitoring real-time processes, imaging solid dosage formula-

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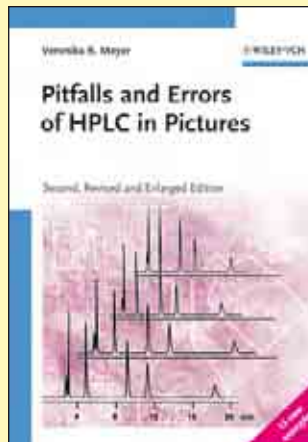
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Much more of a workshop manual than an academic treatise, *Practical Gamma-ray Spectrometry* is aimed at the analyst who is actually using the instrument. Readers get plenty of examples that aptly illustrate the practical applications of gamma spectrometry, measurements in connection with the compulsory test ban treaty verification program, the decommissioning

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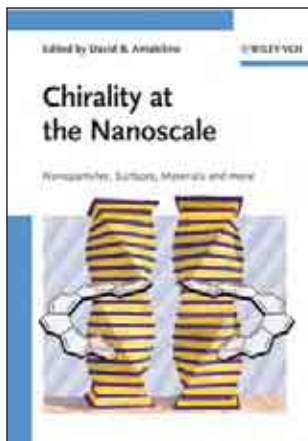
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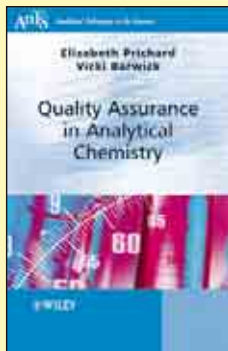
At the sub-microscopic scale, the effects of chirality are vital for certain chemical processes, such as catalysis, and for creating certain physical

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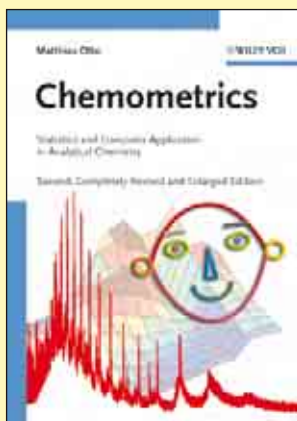
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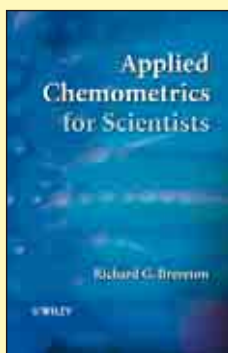
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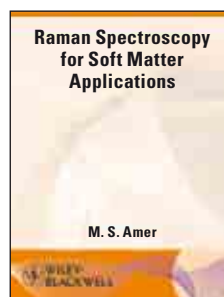
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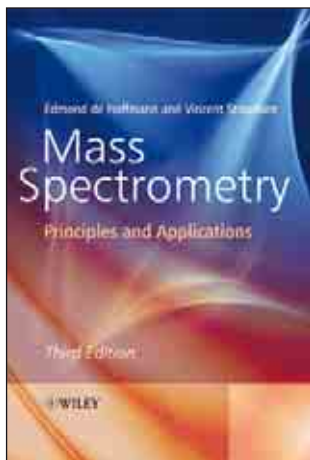
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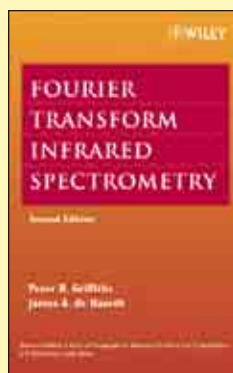
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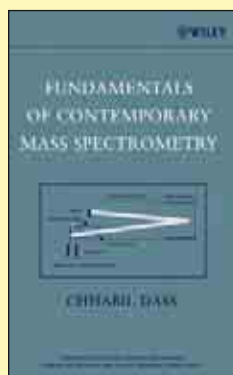
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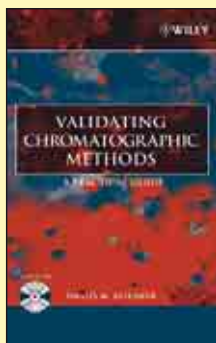
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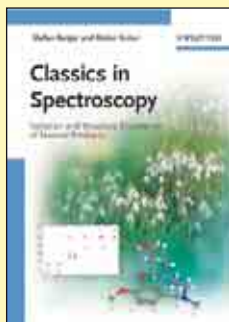
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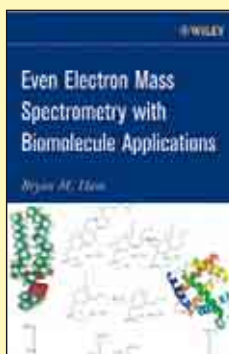
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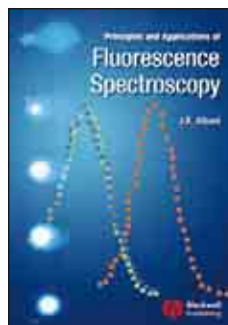
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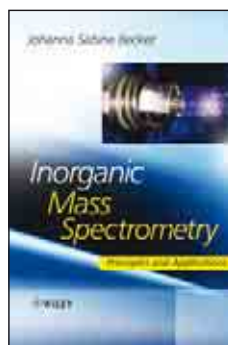
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Inorganic Mass Spectrometry

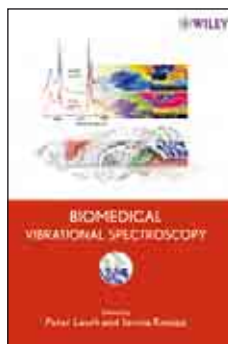
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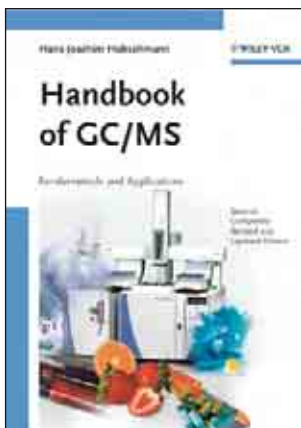
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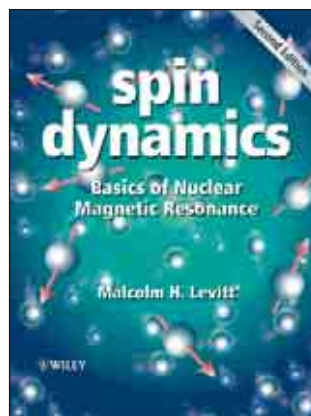
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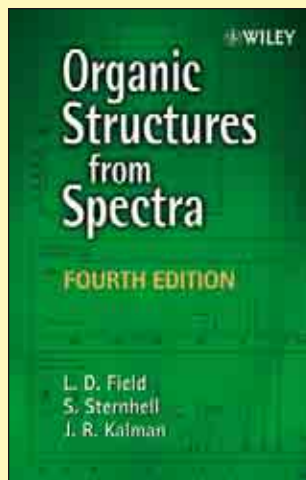
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FOURTH EDITION

**Leslie D. Field, Sev Sternhell,
both of Univ. of Sydney,
Australia; John R. Kalman,
CSIRO Division of Fossil Fuels**

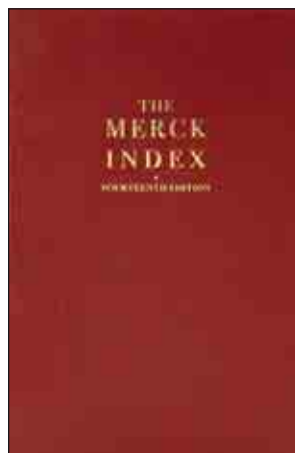
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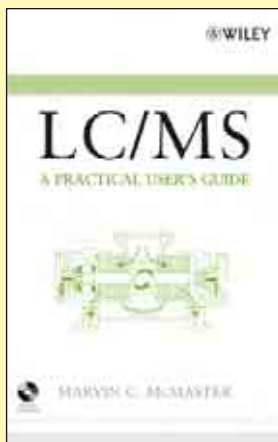
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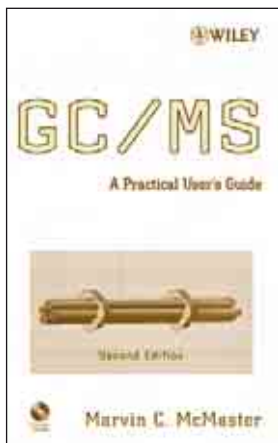
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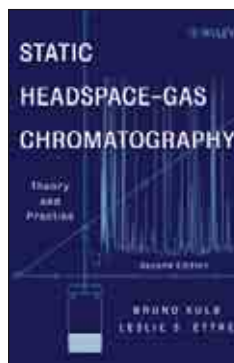
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Static Headspace-Gas Chromatography

Theory and Practice

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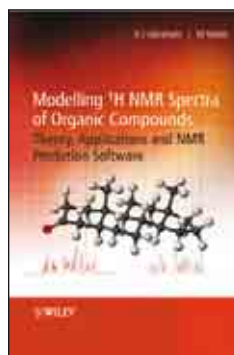
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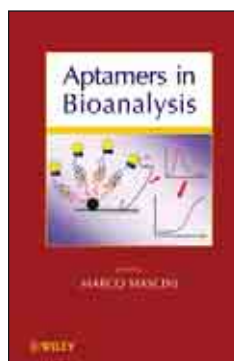
Raymond Abraham, The Univ. of Liverpool, UK; Mehdi Mobli, Manchester Univ., UK

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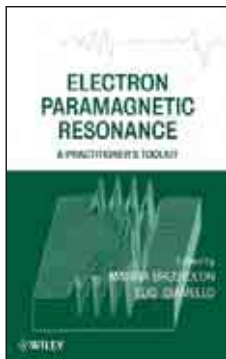
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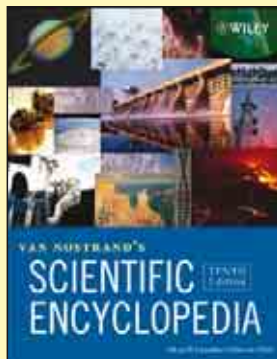
Written for those new to EPR spectroscopy, this work de-mystifies the fundamentals without weighing readers down with detailed physics and mathematics. It then presents clear approaches in specific application areas. The first part outlines the basics and the advantages

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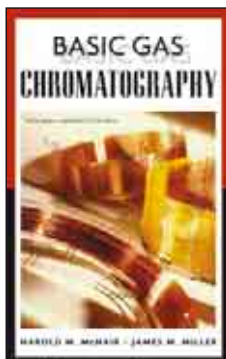
Glenn D. Considine, *CIP, Inc., USA*; Editor-in-Chief

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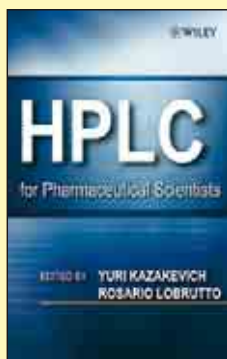
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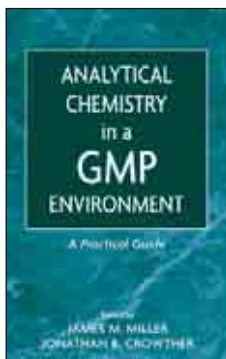


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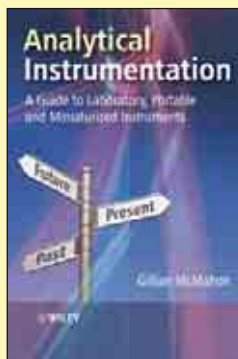
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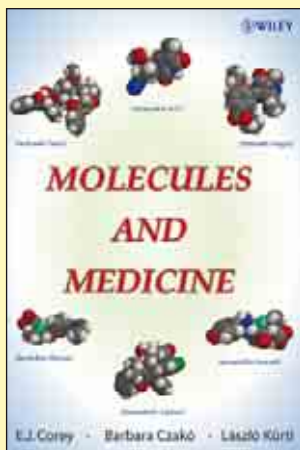
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E. J. Corey, Barbara Czako, László Kürti, *all of Harvard Univ., USA*

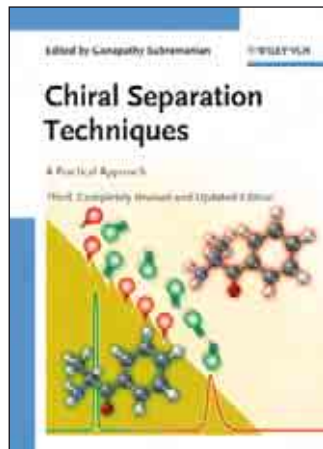
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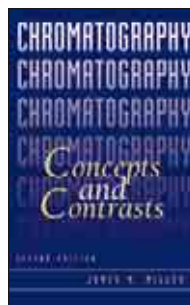
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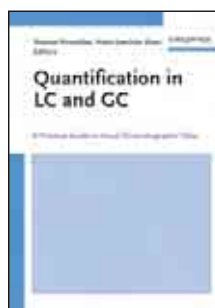
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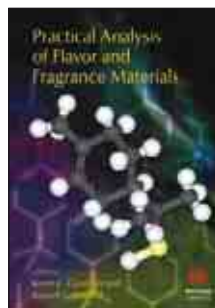
Stavros Kromidas, *Ludwig Maximilian Univ., Germany*; Hans-Joachim Kuss, *consultant, Germany*; Editors

Closing a gap in the current literature by addressing the evaluation and quality assessment of raw data, this practice-oriented guide

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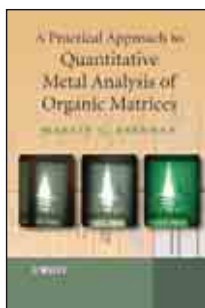
Gil Alterovitz, Roseann Benson, Marco Ramoni, all of Harvard Medical School, USA

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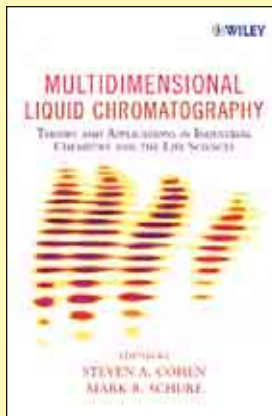
Werner Funk, formerly of Univ. of Applied Sciences, Germany; Vera Dammann, Gerhild Donnevert, both of Univ. of Applied Sciences, Germany

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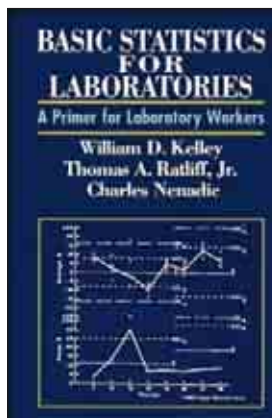
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Basic Statistics for Laboratories

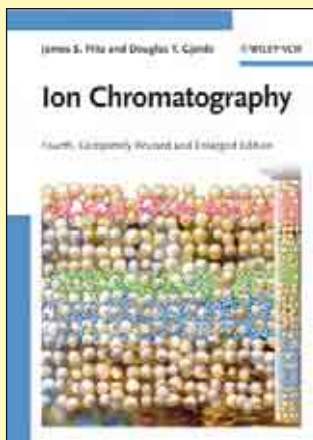
A Primer for Laboratory Workers

William D. Kelley, Thomas A. Ratliff Jr., Charles Nenadic

For analysts, test engineers, and laboratory technicians in medical, pathological, environmental, industrial hygiene, and forensic laboratories, *Basic Statistics for Laboratories* is a timely and essential reference. Learn how to set up, maintain, and interpret control charts and other commonly

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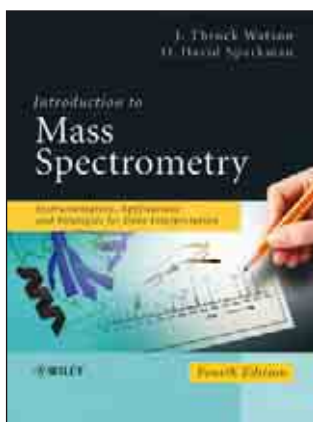
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Introduction to Mass Spectrometry

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Instrumentation, Applications, and Strategies for Data Interpretation

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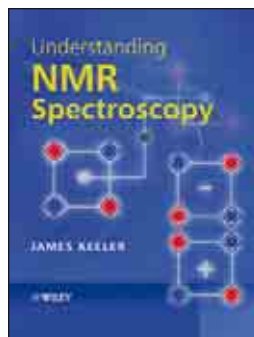
J. Throck Watson, *Michigan State Univ., USA*; O. David Sparkman

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—*International Journal of Environmental and Analytical Chemistry*, (2008)

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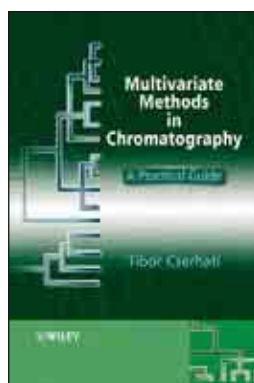
Understanding NMR Spectroscopy

James Keeler, *Univ. of Cambridge, USA*

This text explores the high-resolution NMR of liquid samples and concentrates exclusively on spin-half nuclei (mainly ^1H and ^{13}C). It is aimed at people who are familiar with the use of routine NMR for structure determination and who wish to deepen their understanding of exactly how NMR experiments work. It shows how you can quickly make exact predictions of the outcome of sophisticated experiments.

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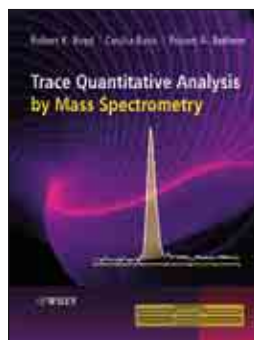
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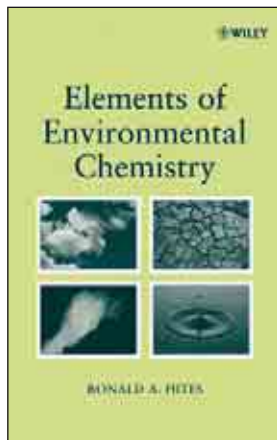
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Elements of Environmental Chemistry

Ronald A. Hites, *Indiana Univ., USA*

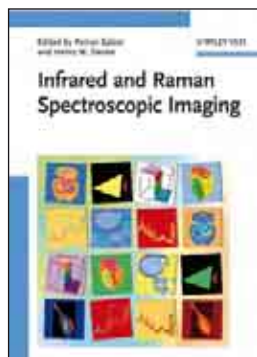
This hands-on guide uses real-world examples to help readers master the quantitative aspects of environmental chemistry. Complex environmental issues are presented in simple terms to help readers grasp the basics and solve relevant problems. Topics covered include steady- and non-steady-state modeling, chemical kinetics, stratospheric ozone, photochemical smog, the greenhouse effect, carbonate equi-

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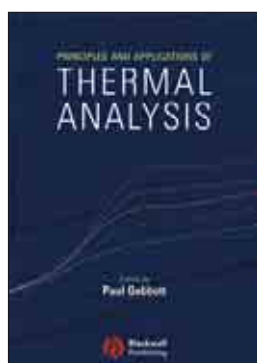
Reiner Salzer, *TU Dresden, Germany*;
Heinz W. Siesler, *Univ. of Essen, Germany*; Editors

This handbook and ready reference covers instrumentation for vibrational spectroscopic imaging, chemometric evaluation of spectroscopic images, and vibrational spectroscopic imaging in biology and medicine, as well as the chemical, pharmaceutical, and food industries.

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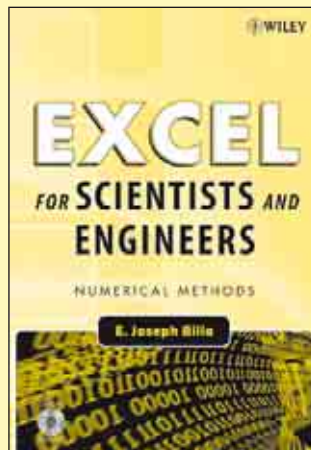


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Paul Gabbott, Editor

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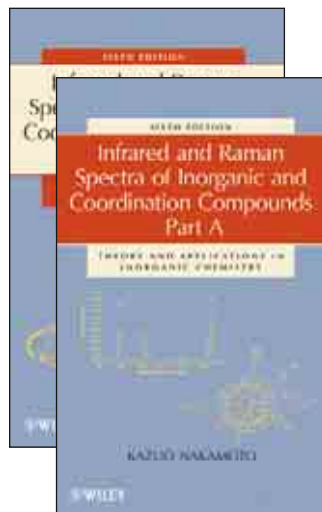
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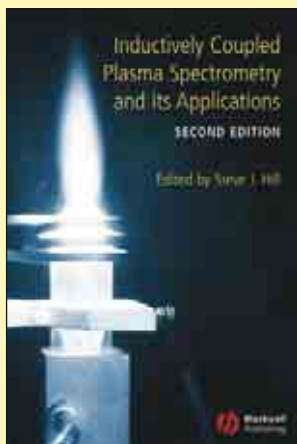
Kazuo Nakamoto, *Marquette Univ.*

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Steve J. Hill, *Univ. of Plymouth*;
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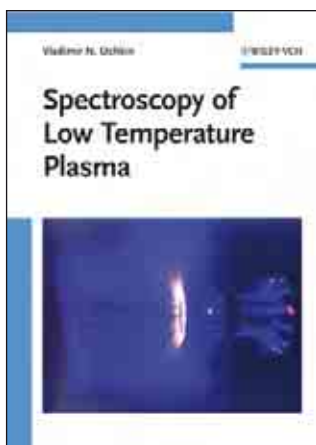
Divided into 11 chapters, this current edition is a thorough revision of the original, covering the principles of inductively coupled plasmas; instrumentation; methodology; and applications within environmental analysis, earth science, food science, and clinical medicine. Chapters written by internation-

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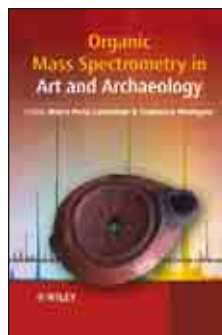
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Vladimir N. Ochkin, *P. N. Lebedev Physical Inst. of Russian Academy of Sciences*

Written by a distinguished plasma scientist and experienced author, this up-to-date work comprehensively covers current methods and new developments and techniques, including non-equilibrium atomic and molecular plasma states, as well as such new applications as gas lasers. Containing numerous

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Francesca Modugno, *Maria Perla Colombini*, both of *Univ. of Pisa*; Editors

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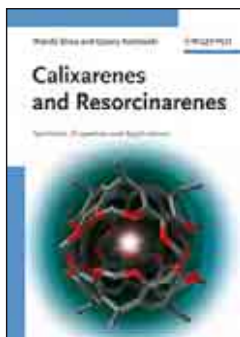
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The Impact of Preanalytical Variables on the Quality of Laboratory Results

Walter G. Guder, *Sheshadri Narayanan*,
Hermann Wisser, Bernd Zawta

This fourth, updated edition contains the latest developments in clinical analytical techniques. An international team of authors summarizes the information on biological influences, analytical interferences, and variables that affect the collection, transport, storage, and preparation of samples. In so doing, they cover age, gender, race, pregnancy, diet, exercise, and altitude, plus the effects of stimulants and drugs. National and international standards for sampling procedures, transport, sample identification, and safety aspects are addressed. Useful tables on half-life times, stability, and other essentials are included.

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Calixarenes and Resorcinarenes

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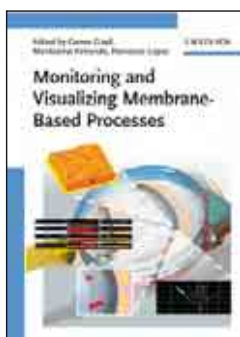
Synthesis, Properties and Applications

Wanda Sliwa, Cezary Kozlowski, both of Jan Dlugosz Univ., Poland

New trends in the chemistry of calixarenes and the modification of their structures are having an enormous impact on practical applications in modern nano- and biotechnologies. Drawing on reports published since 2005, *Calixarenes and Resorcinarenes* is the

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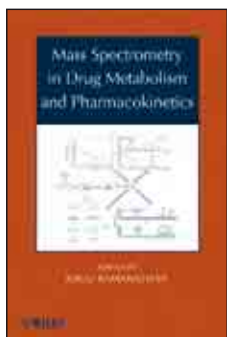
Carme Güell, Montserrat Ferrando, Francisco López, all of Univ. Rovira i Virgili, Spain; Editors

For both researchers and professionals working in the industry, this much-needed critical review of the main monitoring techniques conveys profound knowledge of their fundamentals, possibilities and limits, and

strengths and weaknesses when applied to membrane processes, clearly demonstrating which technique is most suitable for a given process. A practical approach is adopted throughout, providing case studies for the monitoring of selected membrane-based processes. After an introductory section, the book goes on to look at optical and electronic microscopic techniques, followed by electrical, laser, and acoustic techniques, and finishes off with process-oriented monitoring techniques.

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Mass Spectrometry in Drug Metabolism and Pharmacokinetics

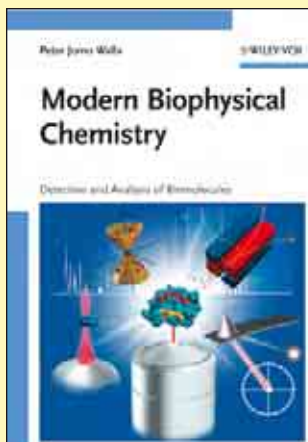
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Ragu Ramanathan, Editor

This timely reference discusses mass spectrometry in drug metabolism and pharmacokinetic studies. With contributions by professionals from the pharmaceutical industry, this book begins with a review of current mass spectrometry techniques and applications, followed by discussions of various

methods for using MS in drug metabolism studies and pharmacokinetics. Highlighting the critical importance of ADME studies for understanding how a drug is absorbed, distributed, metabolized, and excreted by the body, the book focuses on the use of LC/MS and MALDI-MS.

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Modern Biophysical Chemistry

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Peter Jomo Walla, Max-Planck-Inst. for Biophysical Chemistry, Germany

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