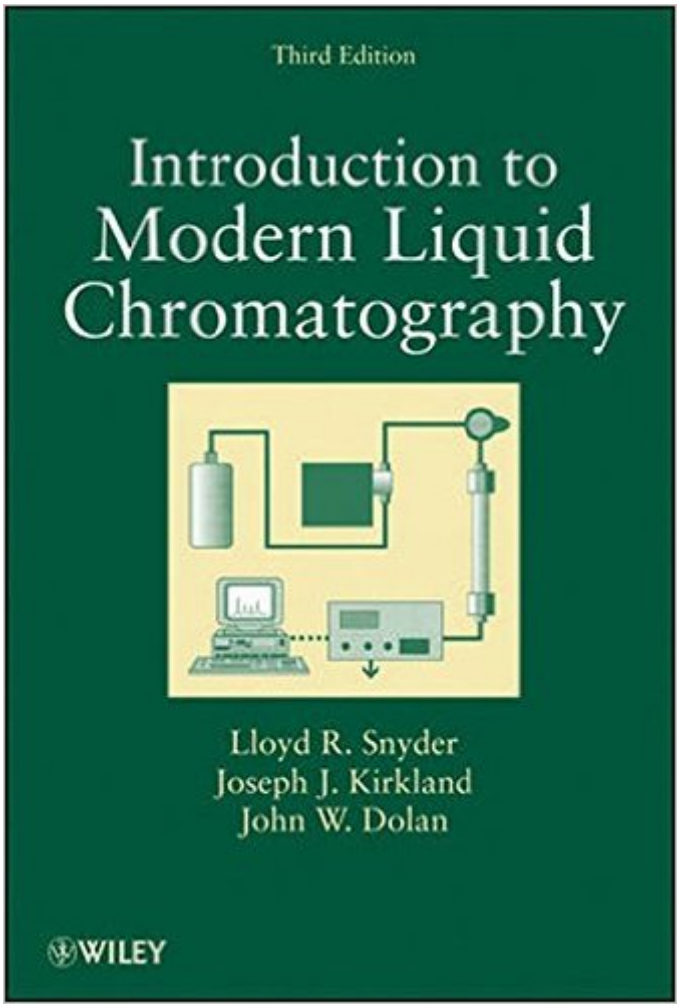
Introduction To Modern Liquid Chromatography



Synopsis

The latest edition of the authoritative reference to HPLC High-performance liquid chromatography (HPLC) is today the leading technique for chemical analysis and related applications, with an ability to separate, analyze, and/or purify virtually any sample. Snyder and Kirkland's Introduction to Modern Liquid Chromatography has long represented the premier reference to HPLC. This Third Edition, with John Dolan as added coauthor, addresses important improvements in columns and equipment, as well as major advances in our understanding of HPLC separation, our ability to solve problems that were troublesome in the past, and the application of HPLC for new kinds of samples. This carefully considered Third Edition maintains the strengths of the previous edition while significantly modifying its organization in light of recent research and experience. The text begins by introducing the reader to HPLC, its use in relation to other modern separation techniques, and its history, then leads into such specific topics as: The basis of HPLC separation and the general effects of different experimental conditions Equipment and detection The columnâ ”the "heart" of the HPLC system Reversed-phase separation, normal-phase chromatography, gradient elution, two-dimensional separation, and other techniques Computer simulation, qualitative and quantitative analysis, and method validation and quality control The separation of large molecules, including both biological and synthetic polymers Chiral separations, preparative separations, and sample preparation Systematic development of HPLC separationsâ ”new to this edition Troubleshooting tricks, techniques, and case studies for both equipment and chromatograms Designed to fulfill the needs of the full range of HPLC users, from novices to experts, Introduction to Modern Liquid Chromatography, Third Edition offers the most up-to-date, comprehensive, and accessible survey of HPLC methods and applications available.

Book Information

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Customer Reviews

I am a high throughput chemist at a biotech and purify my own samples. I have been running my own HPLC mass spec for 5+ years and recently bought this book and have been pretty successful at running my instrument. This book is good for understanding chromatography, but it is also good for actual methods in the lab. This book contains enough information to fill a college course for a semester or maybe even two semesters. I highly recommend this book.

I have an older edition of this book, and I bought this one primarily because I was using it as a reference in a paper and wanted the most up to date version. I thought: how different could it be? Answer: I've already changed some techniques, ideas as a result of what I've read.Pros: well organized clearly written very informative-lots of information for anyone new to chromatography, and for experienced chromatographersI love these guys!

Introduction to Modern Liquid Chromatography - This book is a must for anyone practicing liquid chromatography. It is a great resource for both the novice and experienced chemist. Highly recommended.

Clearly and well explained book. A book that every scientist working in the field of separation science and HPLC should posses.

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