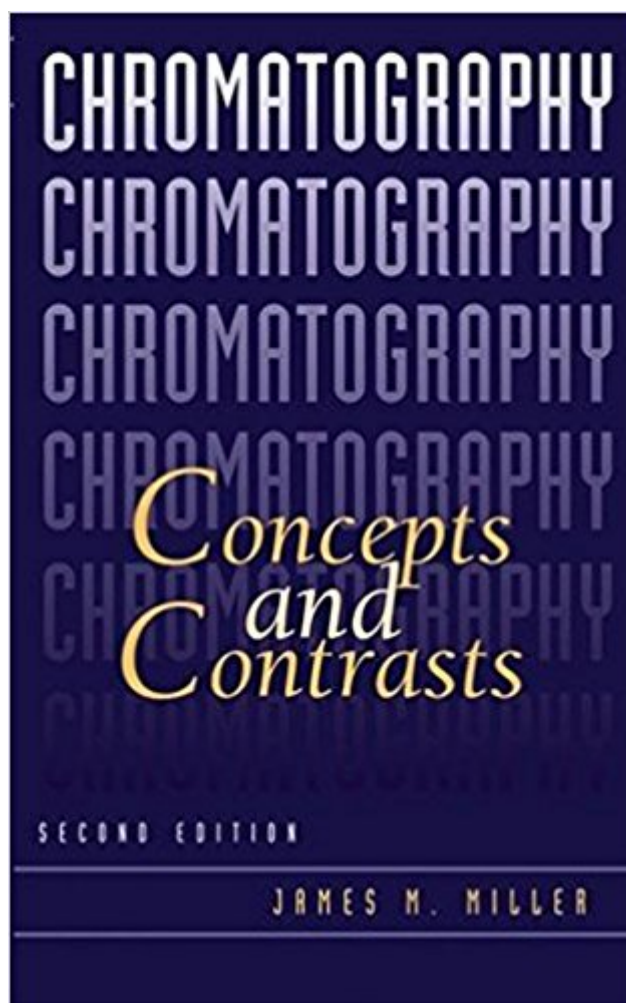


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Chromatography: Concepts And Contrasts



Synopsis

The first edition of *Chromatography: Concepts and Contrasts*, published in 1988, was one of the first books to discuss all the different types of chromatography under one cover. The second edition continues with these principles but has been updated to include new chapters on sampling and sample preparation, capillary electrophoresis and capillary electrochromatography (CEC), chromatography with mass spec detection, and industrial and governmental practices in regulated industries. Covers extraction, solid phase extraction (SPE), and solid phase microextraction (SPME), and introduces mass spectrometry. Updated with the latest techniques in chromatography. Discusses both liquid chromatography (LC) and gas chromatography (GC).

Book Information

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Customer Reviews

This is an excellent book for those new to the field of chromatography and for those who would like a 'general' review of the theory and concepts. The mathematical concepts are a little watered down (compared to the Giddings text), but this one offers a fantastic practical approach, including: GC and LC instrumentation, columns, brief-but-to-the-point chapters on method development, CZE and CEC, sample prep., and an excellent chapter on special applications. I am a graduate student in chemistry, and after drudging through the endless equations in Giddings' book, Miller's text was a breath of fresh air. It offers a much more practical and understandable approach for the use of the equations during a real chemical separation for a novice chromatographer (and I'm sure as a great reference for an expert too!). Overall, I highly recommend this book-- it gives life to theory of separation science.

The text is readable, but tends to be somewhat repetitive in parts. There seems to be some sections that could be covered more in depth, but for a general overview of chromatography, this book seems to be decent enough. In the graduate course I'm taking, this text book is supplemented with journal articles to fill in some of the missing depth. This structure seems to work well.

I still use this book today after owning it for more than 2 years now. It was a really great buy.

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