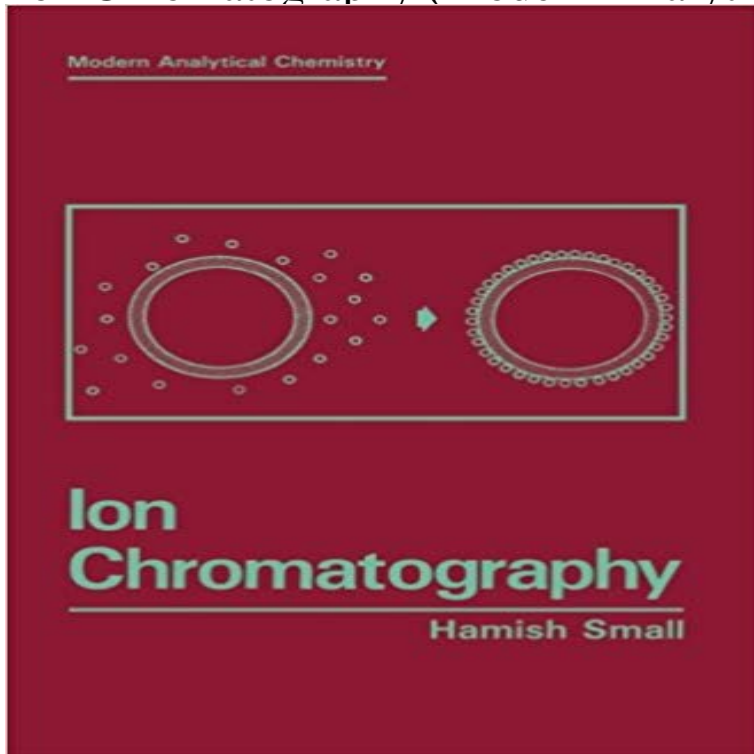


Ion Chromatography (Modern Analytical Chemistry)



Bewitched is an odd word with which to begin a chemical textbook. Yet that is a fair description of how I reacted on first learning of ion exchange and imagining what might be done with it. That initial fascination has not left me these many years later, and it has provided much of the motivation for writing this book. The perceived need for a text on the fundamentals of ion chromatography provided the rest. Many readers will have a general idea of what ion chromatography is and what it does. Briefly, for those who do not, it is an umbrella term for a variety of chromatographic methods for the rapid and sensitive analysis of mixtures of ionic species. It has become highly developed in the last decade, and while it is now routinely used for the determination of organic as well as inorganic ions, its initial impact was greatest in the area of inorganic analysis. In the past the determination of inorganic ions, particularly anions, meant laborious, time-consuming, and often not very sensitive wet chemical methods. In the last ten years that has changed radically as ion chromatography has supplanted these older methods.

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