

High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications)

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A complete and up-to-date manual on HPCE theory and practice

High Performance Capillary Electrophoresis brings together in one volume essential coverage of the theory, techniques, and applications of this highly useful and efficient technology.

Suitable for the novice as well as the experienced user of HPCE, this book features expert contributions from highly respected scientists representing a wide range of disciplines. Chapters, which are grouped into sections to make information easy to find, cover:
* Theory and principles of the six HPCE techniques
* Detection systems, including indirect detection
* Essential operation topics such as sample introduction and stacking, coated capillaries, and method validation
* Recently developed methods, including two-dimensional separations, nonaqueous CE, and HPCE on microchips
* All of the basic HPCE applications, with an emphasis on bioanalytical uses
* HPCE in the determination of physico-chemical properties of molecules

With features and capabilities that match--and even surpass--those of conventional electrophoresis and HPLC, high performance capillary electrophoresis (HPCE) is the fastest developing technology for the separation and analysis of chemical compounds. Keeping pace with the rapid changes in this field and the wealth of journal articles on the subject is a difficult and time-consuming challenge for anyone needing a basic and up-to-date grasp of HPCE.

This book makes it much easier to find this important information--with comprehensive one-source coverage of all of the essential aspects of HPCE theory, techniques, and applications. Featuring the contributions of well-

qualified, highly regarded scientists, it is organized into sections on:
* Theory and principles of HPCE techniques
* Detection systems
* Operation aspects and special methods in HPCE
* Uses in chemical analysis
* Physico-chemical studies

Specific topics addressed here that are not treated extensively by other books include two-dimensional separations, CE on microchips, nonaqueous CE, indirect detection, monitoring enzymatic reactions, and more.

As interest in HPCE continues to grow, it is clear that this technology has much to offer researchers and others working in disciplines ranging from analytical chemistry and biochemistry to pharmaceutical chemistry and biotechnology. High Performance Capillary Electrophoresis equips scientists and students with the knowledge they need to take immediate advantage of the exciting potential of HPCE.

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- Sales Rank: #4965548 in Books
- Published on: 1998-04-27
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 2.15" w x 6.34" l, 3.52 pounds
- Binding: Hardcover
- 1080 pages

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Editorial Review

From the Publisher
High performance capillary electrophoresis (HPCE) is a rapidly developing technology for separating and analyzing chemical compounds. The rapid developments in the field and the large number of journal publications have made it increasingly difficult to find essential and practical knowledge of HPCE easily. The book provides researchers with the theory, techniques and applications they need to understand and use HPCE effectively.

From the Inside Flap
With features and capabilities that match-and even surpass-those of conventional electrophoresis and HPLC, high performance capillary electrophoresis (HPCE) is the fastest developing technology for the separation and analysis of chemical compounds. Keeping pace with the rapid changes in this field and the wealth of journal articles on the subject is a difficult and time-consuming challenge for anyone needing a basic and up-to-date grasp of HPCE. This book makes it much easier to find this important information-with comprehensive one-source coverage of all of the essential aspects of HPCE theory, techniques, and applications. Featuring the contributions of well-qualified, highly regarded scientists, it is organized into sections on:
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From the Back Cover
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Users Review

From reader reviews:

Eric Totten:

Here thing why that High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) are different and reliable to be yours. First of all examining a book is good nonetheless it depends in the content than it which is the content is as delightful as food or not. High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) giving you information deeper and in different ways, you can find any reserve out there but there is no book that similar with High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications). It gives you thrill reading journey, its open up your current eyes about the thing this happened in the world which is probably can be happened around you. You can actually bring everywhere like in recreation area, café, or even in your approach home by train. Should you be having difficulties in bringing the printed book maybe the form of High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) in e-book can be your choice.

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Do you one among people who can't read satisfying if the sentence chained from the straightway, hold on guys this kind of aren't like that. This High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) book is readable by simply you who hate those perfect word style. You will find the facts here are arrange for enjoyable examining experience without leaving also decrease the knowledge that want to provide to you. The writer of High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) content conveys the thought easily to understand by many individuals. The printed and e-book are not different in the information but it just different as it. So , do you nevertheless thinking High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) is not loveable to be your top list reading book?

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