



# Modern HPLC for Practicing Scientists

By Michael W. Dong



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**Modern HPLC for Practicing Scientists** By Michael W. Dong

A comprehensive yet concise guide to Modern HPLC



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Written for practitioners by a practitioner, *Modern HPLC for Practicing Scientists* is a concise text which presents the most important High-Performance Liquid Chromatography (HPLC) fundamentals, applications, and developments. It describes basic theory and terminology for the novice, and reviews relevant concepts, best practices, and modern trends for the experienced practitioner. Moreover, the book serves well as an updated reference guide for busy laboratory analysts and researchers.

Topics covered include:

- HPLC operation
- Method development
- Maintenance and troubleshooting
- Modern trends in HPLC such as quick-turnaround and "greener" methods
- Regulatory aspects

While broad in scope, this book focuses particularly on reversed-phase HPLC, the most common separation mode, and on applications for the pharmaceutical industry, the largest user segment. Accessible to both novice and intermediate HPLC users, information is delivered in a straightforward manner illustrated with an abundance of diagrams, chromatograms, tables, and case studies, and supported with selected key references and Web resources.

With intuitive explanations and clear figures, *Modern HPLC for Practicing Scientists* is an essential resource for practitioners of all levels who need to understand and utilize this versatile analytical technology.



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## **Editorial Review**

### **Review**

"This reasonably priced HPLC primer provides sound and authoritative guidance..." (*E-STREAMS*, June 2007)

### **Review**

"[...] a concise and 'to-the-point' text, covering the broad topic of HPLC. While the book is not intended to be a comprehensive treatise, it addresses all major topics in HPLC and provides updated, practical information not found in other introductory texts. I found the author's use of bullet points, tabulation and figures extremely effective in conveying practical 'take-home' messages and providing sound and definitive guidance." --Henrik T. Rasmussen, PhD

"This is a great introductory book on liquid chromatography. I especially like the intuitive explanations and clear figures." --John W. Dolan, PhD

"Dong's book is especially written for the pharmaceutical industry. I am sure that it will be highly welcomed by the practitioners in this field, not only because of its numerous relevant examples of drug separations but also because of its focus on regulatory aspects." --Veronika Meyer, PhD

### **From the Back Cover**

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