



# Introduction to Mass Spectrometry: Instrumentation, Applications, and Strategies for Data Interpretation

By J. Throck Watson, O. David Sparkman

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Completely revised and updated, this text provides an easy-to-read guide to the concept of mass spectrometry and demonstrates its potential and limitations. Written by internationally recognised experts and utilising "real life" examples of analyses and applications, the book presents real cases of qualitative and quantitative applications of mass spectrometry. Unlike other mass spectrometry texts, this comprehensive reference provides systematic descriptions of the various types of mass analysers and ionisation, along with corresponding strategies for interpretation of data. The book concludes with a comprehensive 3000 references.

This multi-disciplined text covers the fundamentals as well as recent advance in this topic, providing need-to-know information for researchers in many disciplines including pharmaceutical, environmental and biomedical analysis who are utilizing mass spectrometry

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"The writing here is approachable, honest and understandable. One gets the sense that a very knowledgeable friend is sharing the story of mass spectrometry with you.... This hefty single volume is a mature presentation of all major topics in organic and biological mass spectrometry." (*Journal of Chemical Education*, July 2009)

"Introduction to Mass Spectrometry, Instrumentation, Applications, and Strategies for Data Interpretation definitely adds to the selection of general mass spectrometry textbooks in a valuable manner. It is capable of delivering introductory-level knowledge for the undergraduate as well as of providing detailed information for those getting into mass spectrometry." (*Analytical Science and Bioanalytical Chemistry*, July 2008)

"An easy-to-read guide to the concept of mass spectrometry, and demonstrates its potential and limitations....

This comprehensive reference provides systematic descriptions of the various types of mass analyzers and ionization, along with corresponding strategies for interpretation of data." (*MP Materials Testing*, February 2009)

"An easy-to-read guide to the concepts of mass spectrometry, its potential, and its limitations." (*Materials and Corrosion*, November 2007)

"This book should certainly be on the bookshelf of every mass spectrometrist." (*International Journal of Environmental and Analytical Chemistry*, 2008)

"The book is a very useful reference, and will be a useful work for teaching mass spectrometry." (*CHOICE*, April 2008)

"Provides an easy to read guide...this comprehensive reference provides systematic descriptions...This latest edition provides students with a complete overview of principles." (*Materials Evaluation*, December 2007)

"This completely updated text provides an easy-to-read guide to the concepts of mass spectrometry, its potential, and its limitations." (*Materials and Corrosion*, November 2007)

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