

Springer

 2nd
edition

2nd ed. 2011, XXIV, 753 p.

Printed book

Softcover

Printed book

Softcover

ISBN 978-3-642-42346-8

£ 74,99 | CHF 110,50 | 93,44 € |

102,78 € (A) | 99,98 € (D)

Available

Discount group

Standard (0)

Product category

Graduate/advanced undergraduate textbook

Chemistry : Mass Spectrometry

Gross, Jürgen H, University of Heidelberg Institute of Organic Chemistry, Heidelberg, Germany

Mass Spectrometry

A Textbook

- Comprehensive, precise, and excellently illustrated as ever, this new edition is completely revised and extended
- Three new chapters on tandem mass spectrometry, ambient mass spectrometry, and inorganic mass spectrometry added, bioanalytical applications extended
- Learning objectives for all chapters

This highly successful textbook, acclaimed for its comprehensiveness, accuracy, and its many excellent illustrations and photographs now comes in its second edition. Completely revised and substantially extended it offers: – New chapter on Tandem Mass Spectrometry covering instrumentation, methods for ion activation (CID, ECD, ETD, IRMPD), and applications – New chapter on Ambient Mass Spectrometry (DART, DESI, and more) – New chapter on Inorganic Mass Spectrometry including element speciation and imaging – Learning Objectives for all chapters – Advanced Instrumentation such as orbitraps, linear ion traps, tandem TOFs, FT-ICR and the highly variable hybrid instruments – Updated Problems and Solutions website (www.ms-textbook.com) Jürgen H. Gross provides in-depth explanations of concepts, methods, and techniques. Students and professionals alike are guided step-by-step from the basics to the successful application of mass spectrometry. Starting from the very principles of gas-phase ion chemistry, isotopic composition, and accurate mass, Jürgen H. Gross leads through the design of all types of mass analyzers and ionization methods to mass spectral interpretation and coupling techniques. His book offers a balanced mixture of practice-oriented information and theoretical background supported by a wealth of references. From reviews of the previous edition: "...one of the best textbooks on mass spectrometry I have seen so far." International Journal of Mass Spectrometry "...can be recommended unreservedly as a textbook and reference source..." Angewandte Chemie, International Edition

 Order online at springer.com/booksellers

Springer Nature Customer Service Center GmbH

Customer Service

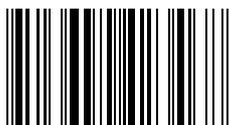
Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-3-642-42346-8 / BIC: PNFS / SPRINGER NATURE: SCC11010

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.