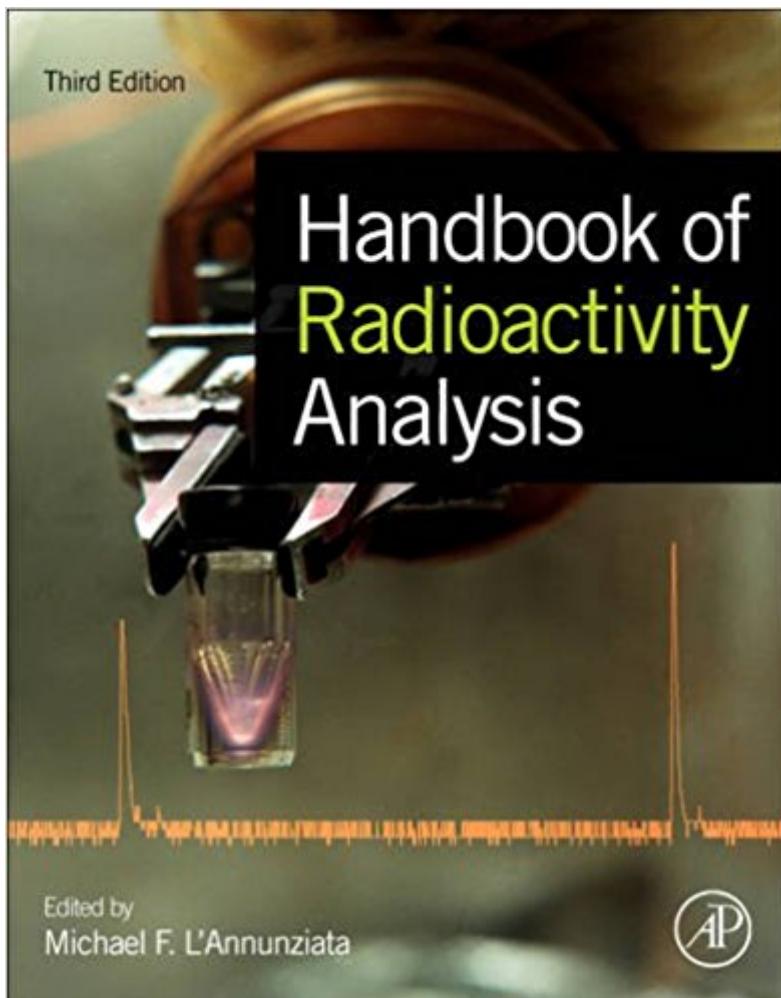


The book was found

# Handbook Of Radioactivity Analysis, Third Edition



## Synopsis

The updated and much expanded 3e of the Handbook of Radioactivity Analysis is an authoritative reference providing the principles, practical techniques, and procedures for the accurate measurement of radioactivity from the very low levels encountered in the environment to higher levels measured in radioisotope research, clinical laboratories, biological sciences, radionuclide standardization, nuclear medicine, nuclear power, and fuel cycle facilities and in the implementation of nuclear forensic analysis and nuclear safeguards. The book describes the basic principles of radiation detection and measurement and the preparation of samples from a wide variety of matrices, assists the investigator or technician in the selection and use of appropriate radiation detectors, and presents state-of-the-art methods of analysis. Fundamentals of radiation properties, radionuclide decay, the calculations involved, and methods of detection provide the basis for a thorough understanding of the analytical procedures. The Handbook of Radioactivity Analysis, 3e, is suitable as a teaching text for university and professional training courses. The only comprehensive reference that describes the principles of detection and practical applications of every type of radioactivity detector currently used. The new 3e is broader in scope, with revised and expanded chapters, new authors, and seven new chapters on Alpha Spectrometry, Radionuclide Standardization, Radioactive Aerosol Measurements, Environmental Radioactivity Monitoring, Marine Radioactivity Analysis, Nuclear Forensic Analysis and Analytical Techniques in Nuclear Safeguards. Discusses in detail the principles, theory and practice applied to all types of radiation detection and measurement, making it useful for both teaching and research.

## Book Information

Hardcover: 1418 pages

Publisher: Academic Press; 3 edition (August 30, 2012)

Language: English

ISBN-10: 0123848733

ISBN-13: 978-0123848734

Product Dimensions: 8.4 x 1.7 x 11.1 inches

Shipping Weight: 6.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #967,991 in Books (See Top 100 in Books) #124 in Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics #178 in Books > Science & Math > Chemistry > Inorganic #245 in Books > Science & Math > Chemistry > Analytic

[Download to continue reading...](#)

Handbook of Radioactivity Analysis, Third Edition Marie Curie and Radioactivity Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Root Cause Analysis Handbook: A Guide to Efficient and Effective Incident Investigation (Third Edition) Crazy Horse, Third Edition: The Strange Man of the Oglalas, Third Edition Much Ado About Nothing: Revised Edition: Third Series (The Arden Shakespeare Third Series) What Your Third Grader Needs to Know (Revised Edition): Fundamentals of a Good Third-Grade Education (Core Knowledge Series) I Am Third: The Inspiration for Brian's Song: Third Edition Data Analysis Methods in Physical Oceanography, Third Edition The Musician's Guide to Theory and Analysis Workbook (Third Edition) The Musician's Guide to Theory and Analysis (Third Edition) The Musician's Guide to Theory and Analysis Anthology (Third Edition) Real Options Analysis (Third Edition): Tools and Techniques for Valuing Strategic Investments and Decisions with Integrated Risk Management and Advanced Quantitative Decision Analytics Minecraft: Seeds Handbook, Minecraft Seeds For Pocket Edition, The Ultimate Minecraft Seeds Handbook (Minecraft Handbook, Minecraft Seeds, Minecraft Seed Books) Security Analysis: Sixth Edition, Foreword by Warren Buffett (Security Analysis Prior Editions) Third Eye: Third Eye, Mind Power, Intuition & Psychic Awareness: Spiritual Enlightenment Minecraft: Redstone Minecraft Handbook (Minecraft Handbook Essential Guide Books for Kids) (Secret Minecraft Handbook Guide) Minecraft Secrets Handbook: 101 Ultimate Secrets: The Awesome Minecraft Secrets Handbook for ALL Minecraft Fans: Tips and Tricks That You Need to Know (An Unofficial Minecraft Handbook) Minecraft: Master Minecraft Handbook Guide (Minecraft Handbook Essential Guide Books for Kids) (Secret Minecraft Handbook Guide) Minecraft Handbook: The Ultimate Creations Guide, For Beginners to Advanced (Minecraft Handbook Guide Book with Building Videos) (Secret Minecraft Handbook Guide)

[Dmca](#)