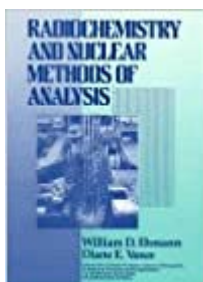


The book was found

Radiochemistry And Nuclear Methods Of Analysis



Synopsis

From nuclear dating methods to nucleosynthesis in stars. it's all here. The first practical, comprehensive guide to the science of radiochemistry. Radiochemistry and Nuclear Methods of Analysis is the first thorough and up-to-date look for the nonspecialist at the fundamentals of radiochemistry as well as the full range of advances currently made possible by the applications of radioactivity. Without an emphasis on high-level mathematics or abstruse theoretical physics, the book provides a clear, fundamentals-first look at radioactivity, the principles of radioactive decay, and nuclear reactions, as well as:

- * Modern radiochemical instrumentation
- * Nuclear dating methods
- * Methods for the production of radionuclides
- * The use of tracers and nuclear methods of analysis
- * The origin of the chemical elements
- * The biological effects of radiation

The book's user-friendly instructional format, designed for both beginning and advanced students, includes numerous end-of-chapter problems ranging from the simple to complex which familiarize the reader with equations and concepts in the text. References to recent monographs, available in most college and university libraries, provide direction to more specialized literature. Invaluable to both students and professionals in search of a practical grasp of the subject, Radiochemistry and Nuclear Methods of Analysis is a clear introduction to radioactivity and radionuclear chemistry's principles, methods, and applications.

Book Information

Series: Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications
(Book 146)

Hardcover: 560 pages

Publisher: Wiley-Interscience; 1 edition (August 27, 1991)

Language: English

ISBN-10: 0471600768

ISBN-13: 978-0471600763

Product Dimensions: 6.3 x 1.3 x 9.3 inches

Shipping Weight: 2 pounds

Average Customer Review: 3.9 out of 5 stars 4 customer reviews

Best Sellers Rank: #1,839,381 in Books (See Top 100 in Books) #43 in [Books > Science & Math > Chemistry > Nuclear Chemistry](#) #1270 in [Books > Science & Math > Chemistry > Physical & Theoretical](#) #4862 in [Books > Textbooks > Science & Mathematics > Chemistry](#)

Customer Reviews

From nuclear dating methods to nucleosynthesis in stars; it's all here. The first practical, comprehensive guide to the science of radiochemistry. *Radiochemistry and Nuclear Methods of Analysis* is the first thorough and up-to-date look for the nonspecialist at the fundamentals of radiochemistry as well as the full range of advances currently made possible by the applications of radioactivity. Without an emphasis on high-level mathematics or abstruse theoretical physics, the book provides a clear, fundamentals-first look at radioactivity, the principles of radioactive decay, and nuclear reactions, as well as: Modern radiochemical instrumentation Nuclear dating methods Methods for the production of radionuclides The use of tracers and nuclear methods of analysis The origin of the chemical elements The biological effects of radiation The book's user-friendly instructional format, designed for both beginning and advanced students, includes numerous end-of-chapter problems ranging from the simple to complex which familiarize the reader with equations and concepts in the text. References to recent monographs, available in most college and university libraries, provide direction to more specialized literature. Invaluable to both students and professionals in search of a practical grasp of the subject, *Radiochemistry and Nuclear Methods of Analysis* is a clear introduction to radioactivity and radionuclear chemistry's principles, methods, and applications. --This text refers to an out of print or unavailable edition of this title.

WILLIAM D. EHMANN is Professor of Chemistry at the University of Kentucky. DIANE E. VANCE is Staff Development Scientist at the Analytical Services Organization in Oak Ridge, Tennessee. --This text refers to an out of print or unavailable edition of this title.

My favorite radiochemistry book. Just at the perfect level for an upper division class. Flexible enough to use for classes with varying focus.

Radiochemistry and Nuclear Methods of Analysis is a book based on lectures on that subject. It has been written in a way that is understandable and easy to follow by the Chemistry or Physics student but also by the reader who has never been exposed to this subject before. It is well organized providing the reader information of the discovery of radioactivity and the contributions in this field, the concepts, the applications and the instrumentation used. The text is clear and concise. The text also provide additional reference for the reader who wants to continue reading more about a particular topic given that this book is a survey of the applications of radiochemistry. The tables, illustrations, graphs are easy to follow and the equations are well explained. This book is

recommended for those who are interested in this area of Chemistry that usually is briefly mentioned during a General Chemistry course.

Although this text was written in 1991 it still contains many relevant topics to the field of radiochemistry. Broad topics from nuclear dating methods to nucleosynthesis in stars are covered. The text is written for the beginner or "non-specialist" within this field and provides a wide survey for the reader. There is not an emphasis on high-level mathematics or first principles of theoretical physics, the book does provide a clear, "first look" at radioactivity, the principles of radioactive decay, and nuclear reactions, as well as:

- * Modern radiochemical instrumentation
- * Nuclear dating methods
- * Methods for the production of radionuclides
- * The use of tracers and nuclear methods of analysis
- * The origin of the chemical elements
- * The biological effects of radiation

It could be said that although many of the areas addressed are redressed in other relevant texts of its kind, it still provides a useful addition to any serious scientist within the field of radiochemistry.

tell a lot of the product. Highly Recommend! my company need it, delivery so quickly. recommend it to my friend.

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

Radiochemistry and Nuclear Methods of Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Radiochemistry and Nuclear Methods of Analysis Nuclear Prepared - How to Prepare for a Nuclear Attack and What to do Following a Nuclear Blast: Everything you Need to Know to Plan and Prepare for a Nuclear Attack Nuclear energy. Radioactivity. Engineering in Nuclear Power Plants: Easy course for understanding nuclear energy and engineering in nuclear power plants (Radioactive Disintegration) Nuclear and Radiochemistry: Fundamentals and Applications, 2 Volume Set Radiochemistry and Nuclear Chemistry, Fourth Edition Radiochemistry and Nuclear Chemistry, Third Edition Handbook of Nuclear Chemistry: Vol. 1: Basics of Nuclear Science; Vol. 2: Elements and Isotopes: Formation, Transformation, Distribution; Vol. 3: ... Nuclear Energy Production and Safety Issues. Nuclear Reaction Data and Nuclear Reactors: Physics, Design, and Safety A Dictionary of Nuclear Power and Waste Management With Abbreviations and Acronyms (Research Studies in Nuclear Technology) Nuclear War Survival Skills: Lifesaving Nuclear Facts and Self-Help Instructions Essentials of Nuclear Medicine Imaging: Expert Consult - Online and Print, 6e (Essentials of Nuclear Medicine Imaging (Mettler)) Radiopharmaceuticals in Nuclear Pharmacy and Nuclear Medicine Nuclear Accidents and Disasters (Nuclear Power) Nuclear Energy, Seventh Edition: An Introduction to the Concepts,

Systems, and Applications of Nuclear Processes Nuclear Engineering: Theory and Technology of Commercial Nuclear Power Introduction to Nuclear Engineering (Addison-Wesley series in nuclear science and engineering) Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems and Applications of Nuclear Processes Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes (Pergamon Unified Engineering Series) Advances in Nuclear Science and Technology: Volume 22 (Advances in Nuclear Science & Technology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)