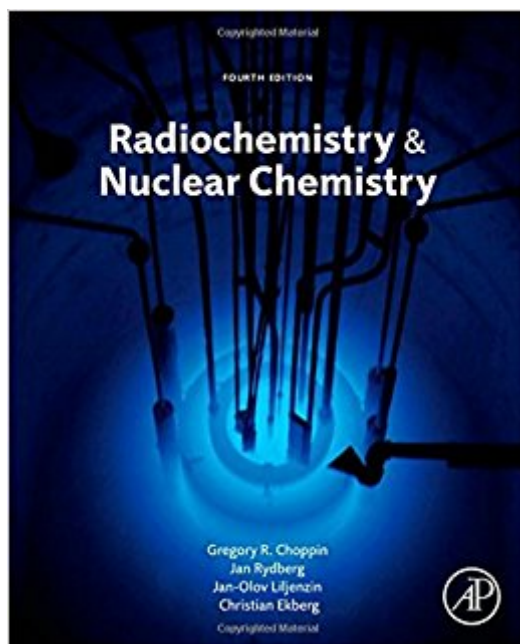


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Radiochemistry And Nuclear Chemistry, Fourth Edition



Synopsis

Radiochemistry or nuclear chemistry is the study of radiation from an atomic and molecular perspective, including elemental transformation and reaction effects, as well as physical, health and medical properties. This revised edition of one of the earliest and best-known books on the subject has been updated to bring into teaching the latest developments in research and the current hot topics in the field. To further enhance the functionality of this text, the authors have added numerous teaching aids, examples in MathCAD with variable quantities and options, hotlinks to relevant text sections from the book, and online self-grading tests. New edition of a well-known, respected text in the specialized field of nuclear/radiochemistry. Includes an interactive website with testing and evaluation modules based on exercises in the book. Suitable for both radiochemistry and nuclear chemistry courses.

Book Information

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Customer Reviews

Reviews of the second edition: "The book fully meets the authors objectives, it is well written in a logical, objective, thought-provoking and quite easily readable style. It should appeal to the serious student of radio- and nuclear chemistry at either undergraduate or postgraduate level, as well as to readers with a more general interest in nuclear science and its impact on the environment."

--Applied Radiation and Isotopes, July 1995 "This book is an excellent, readable account of a significant part of the scientific achievements of more than half this century. The authors have dedicated the book to Nobel Laureate Glenn T. Seaborg and its scholarship makes it a fitting tribute." --Radiological Protection Bulletin, December 1995

Christian Ekberg is a full professor in Industrial Materials Recycling (since 2007) as well as a full professor in Nuclear Chemistry (since 2012) at Chalmers University of Technology, Göteborg, Sweden. He is also an elected member of the Royal Swedish Academy for Engineering Sciences. The main research focus on the last 25 years has been solution chemistry of the lightest to the heaviest elements in the periodic table (thermodynamics, solvent extraction etc) as well as statistical uncertainty analysis. In later years the focus has started to include recycling processes from various sources as well as the new Gen IV nuclear reactor systems. He has published more than 120 reviewed scientific papers.

The new and updated version of the Radiochemistry book is a well structured and comprehensive book, good for grasping the fundamentals of nuclear chemistry! In its new format, the text is much easier to read, the figures easier to use and some correction to previous pictures offer a much better understanding of the concepts. Also, the rearrangement of chapters makes more sense and is easier to follow. The cover picture is a really eye catcher, good job with that! :) Definitely recommended!

Incredibly enlightening book and a must have for anyone looking for a career in this field. Worth the money for sure.

Good read, it really fills in some blanks.

Thank you I like the item.

Covers the subject matter well but they could have given it to a English speaking editor for a translation check.

Needs editing on basic english.

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