

Introduction to radiation chemistry

Israel Program For Scientific Translations - An introduction to radiation chemistry (Book)

Importance of nuclear chemistry:

1. Atomic power stations and fuel production, reprocessing
2. Radiation technology in industry, agriculture and health-care (sterilization).
3. Medical applications:
 - a) radiopharmaceuticals, radio diagnosis;
 - b) radiotherapy.

Description: -

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Folk art -- Latin America

Spanish: Young Adult (Gr. 10-12)

Government publications

United States.

Autotransplantation

Bone marrow -- Transplantation

Hematopoietic stem cells -- Transplantation

Radiochemistry. Introduction to radiation chemistry

-Introduction to radiation chemistry

Notes: At head of title: Academy of Sciences of the U.S.S.R. Institute of Physical Chemistry.

This edition was published in 1964



Filesize: 52.39 MB

Tags: #Introduction #to #Radiation #Chemistry

Acute Radiation Damage

Although radiations can be harmful, they have some usefulness, specifically in the healthcare industry. That is why X-rays are mostly used to detect bone fractures and diagnose pneumonia.

An introduction to radiation chemistry (Book)

The first six chapters provide a detailed description of the instrumental aspects of optical spectroscopy.

Acute Radiation Damage

Prolonged exposure to a high dose of radiation causes more damage to the living tissues.

An introduction to radiation chemistry (Book)

Much of this material cannot be found in more general textbooks on instrumental analytical chemistry, and what can be found elsewhere is generally covered at a less advanced level.

Introduction to radiation chemistry, 2nd edition (Spinks, J. W. T.; Woods, R. J.)

Inhalation of beta radiations can damage the internal cells and organs. Radiations can also damage nerve cells and blood vessels that can cause immediate death.

An introduction to radiation chemistry (Book)

Gamma rays are used for treating cancer. The experimental techniques used to obtain high pressure phase behavior information are described in detail and the advantages and disadvantages of each technique are explained. The often complex three-dimensional pressure-temperature composition PTx phase diagrams for SCF-solute mixtures are constructed in a coherent step-by-step manner using the more familiar two-dimensional Px diagrams.

Learn About Radiation Effects

These radiations can impart adverse effects on living organisms due to their charge and energy. X-rays are another most important and most widely used medical imaging technique.

Acute Radiation Damage

In order to accomplish this ambitious plan, the editors selected as author of each individual chapter a scientist actively engaged in research in the area in question. This might be the result of a nuclear explosion, a criticality accident, a radiotherapy accident, escape of radioactive waste, human error in a nuclear reactor, etc.

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