

Radon In Gebäuden Eine Kritische Auswertung Vorha

X-Ray Protection
 Passive Houses in South West Europe
 Wird die Krebssterblichkeit durch geologisch-topologische Faktoren beeinflusst?
 Deutsche Nationalbibliographie und Bibliographie der im Ausland erschienenen deutschsprachigen Veröffentlichungen
 Manual on Quantitative Estimation of Groundwater Recharge and Aquifer Storativity
 Handbook of the New Zealand flora
 Der Spiegel
 Der Muse reicht's
 Der jüdische Friedhof Weissensee
 Mitteilungen aus Statistik und Verwaltung der Stadt Wien
 Ionizing and Non-ionizing Radiation
 Bauen und Wohnen in Gemeinschaft/Building and Living in Communities
 Der Spiegel
 Integrated Reaction and Separation Operations
 X-Ray and Radium Protection
 Kritische Justiz
 Storage of Radioactive Waste
 Mitteilungen aus Statistik und Verwaltung der Stadt Wien. Geschäftsgruppe Stadtplanung
 Philostratus
 Alternative Propulsion Systems for Automobiles
 Ökologisch Planen und Bauen
 ATW
 Health Risks of Radon and Other Internally Deposited Alpha-Emitters
 Architecture in the Netherlands
 Europäisches Energierecht: Textsammlung
 Introduction to Systems Analysis
 Introduction to Food- and Airborne Fungi
 Deutsche Bibliographie
 Nitrate and Man
 The Precautionary Principle in the 20th Century
 Hawaii Volcanoes National Park, Hawaii
 Strahlenbelastung des Menschen
 Essentials of Ecology
 Oesterreichische Bibliographie
 The Natural Radiation Environment VII
 Bibliographie der Deutschen Bibliothek
 Subsidence Analysis and Visualization
 American X-ray Journal
 Kernenergie
 Radon in Gebäuden

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STEPHANIE NICOLE

X-Ray Protection Routledge

The Natural Radiation Environment Symposium (NRE VII), the Seventh in the NRE series, which commenced forty years ago in 1963 at Rice University Texas, was held in Rhodes (Greece) in May 2002. During the intervening four decades the research work presented at these NRE Symposia has contributed to a deeper understanding of natural radiation and in particular of its contribution to human radiation exposures. It is clear from the quality and diversity of the 143 papers in this volume of Radioactivity in the Environment series that the study of the natural radiation environment is an active and continually expanding field of research. The papers in this volume fall into a number of main and topical research areas namely: the measurement and behaviour of natural radionuclides in the environment cosmic radiation measurement and dosimetry the external penetrating radiation field at ground level TENR (Technologically Enhanced Natural Radiation) and NORM (Naturally Occurring Radioactive Materials) studies assessment of the health effects of radon regulatory aspects of natural radiation exposures In these papers the results of many new surveys of natural radionuclide levels in the environment and of improved methods of detection are described. While some of the natural radiation sources investigated are unmodified by human activity, many accounts are given here of exposures to natural sources which have been enhanced by technology. Such TENR and NORM exposures are shown to range from activities such as mining, oil and gas exploitation, the use of industrial by-products as building materials, to space travel to name but a few. In several cases quite high doses to some individuals are shown to occur. Accounts are given here of methods to prevent and reduce exposures to such sources.

Passive Houses in South West Europe Springer Science & Business Media

The increasing interest among microbiologists in fungal contaminants of food and air has created the need to study these micro-organisms in more detail. Although fungi, producing toxins or which cause health hazards, are ubiquitous and belong to the common contamination flora, their recognition is hampered by incomplete and often confusing literature. This book, published by the Centraalbureau voor Schimmelcultures in the Netherlands and now available from ASM Press, serves as a guide to food- and airborne fungi and contains keys and morphological descriptions of the most common species.

Wird die Krebssterblichkeit durch geologisch-topologische

Faktoren beeinflusst? ASM Press

The precautionary principle is widely seen as fundamental to successful policies for sustainability. It has been cited in international courts and trade disputes between the USA and the EU, and invoked in a growing range of political debates. Understanding what it can and cannot achieve is therefore crucial. This volume looks back over the last century to examine the role the principle played or could have played, in a range of major and avoidable public disasters. From detailed investigation of how each disaster unfolded, what the impacts were and what measures were adopted, the authors draw lessons and establish criteria that could help to minimise the health and environmental risks of future technological, economic and policy innovations. This is an informative resource for all those from lawyers and policy-makers, to researchers and students needing to understand or apply the principle.

Deutsche Nationalbibliographie und Bibliographie der im Ausland erschienenen deutschsprachigen Veröffentlichungen Elsevier Science Limited

This book provides readers with comprehensive details on the management and measures to protect health against risks to people and environments generated by the use of ionizing and non-ionizing radiation. This book is divided into three sections, namely, Radiation Protection and Measurement; Radiation Therapy; and Radioactivity. The first section covers ionizing radiation protection; population exposure to non-ionizing density; and the system of dosimetry quantities for use in emergency preparedness and response to nuclear or radiological accidents. The second section covers various planning techniques for spinal stereotactic body radiotherapy and the application of radiation technology in the development of a malaria vaccine. The third section discusses environmental radioactivity monitoring using efficient measurements and the assessment of radiation exposure to humans. Also in this section is the evaluation of the effects of chronic radiation exposure on the testes of mice after a nuclear power plant accident.

Manual on Quantitative Estimation of Groundwater Recharge and Aquifer Storativity BoD - Books on Demand 1948 accompanied by Ergänzungsheft 1-2: Neuerscheinungen ausserhalb des Buchhandels.

Handbook of the New Zealand flora IAEA

This book describes hazards from radon progeny and other alpha-emitters that humans may inhale or ingest from their environment. In their analysis, the authors summarize in one document clinical and epidemiological evidence, the results of animal studies, research on alpha-particle damage at the cellular level, metabolic pathways for internal alpha-emitters, dosimetry and microdosimetry of radionuclides deposited in specific tissues,

and the chemical toxicity of some low-specific-activity alpha-emitters. Techniques for estimating the risks to humans posed by radon and other internally deposited alpha-emitters are offered, along with a discussion of formulas, models, methods, and the level of uncertainty inherent in the risk estimates.

Der Spiegel Springer-Verlag

Ökologisch planen und bauen behandelt alle Aspekte des ökologischen Bauens und verknüpft sie mit anderen, wie Funktionalität, Nutzungssicherheit, Wirtschaftlichkeit und Gestaltung. Der als Arbeitsbuch und Nachschlagewerk konzipierte Band verfolgt im wesentlichen folgende Ziele: - Er vermittelt Hintergrundinformationen, die das Verständnis für die Zusammenhänge und Kreisläufe, die beim Bauen beachtet werden müssen, erleichtern. -Er liefert praxisgerecht aufbereitete und präsentierte fachtechnische Informationen zum Entwurf, zur Konstruktion und zur Stoffauswahl. - Er gibt Hinweise für eine behutsame Baudurchführung ebenso wie für eine umweltschonende Nutzung von Gebäuden. - Er appelliert an Planer, Bauherren, Firmen, Behörden und im Bauwesen politisch Tätige, einen wirkungsvollen Beitrag zur ökologischen Umgestaltung der Gesellschaft zu leisten.

Der Muse reicht's CABI

This safety guide discusses the design and operational safety of radioactive waste storage facilities that serve nuclear installations, as well as industrial, medical and research facilities. It covers the storage of all types of radioactive waste, excluding spent nuclear fuel and waste from mining and minerals processing. Topics covered include: the protection of human health and the environment, roles and responsibilities, design and operational issues, waste segregation, decay storage and storage of disused sealed sources.

Der jüdische Friedhof Weissensee National Academies Press 2. Auflage Stand: 19. April 2017

Mitteilungen aus Statistik und Verwaltung der Stadt Wien Springer Each year an editorial team selects noteworthy architectural projects in Dutch architecture, with particular attention to commissionership, architecture policy and projects that have achieved spectacular results with limited resources. We are proud that 'Amsterdam Oersoep', the artwork by artists Arno Coenen, Iris Roskam and Hans van Bentem, has been included in this year's edition!

Ionizing and Non-ionizing Radiation Springer Science & Business Media

Systems and their mathematical description play an important role in all branches of science. This book offers an introduction to mathematical modeling techniques. It is intended for undergrad students in applied natural science, in particular earth and environmental science, environmental engineering, as well as

ecology, environmental chemistry, chemical engineering, agronomy, and forestry. The focus is on developing the basic methods of modeling. Students will learn how to build mathematical models of their own, but also how to analyze the properties of existing models. The book neither derives mathematical formulae, nor does it describe modeling software, instead focusing on the fundamental concepts behind mathematical models. A formulary in the appendix summarizes the necessary mathematical knowledge. To support independent learners, numerous examples and problems from various scientific disciplines are provided throughout the book. Thanks in no small part to the cartoons by Nikolas Stürchler, this introduction to the colorful world of modeling is both entertaining and rich in content

Bauen und Wohnen in Gemeinschaft/Building and Living in Communities Wiley-Blackwell

This book provides a comprehensive introduction to techniques for quantitative subsidence analysis and visualization with example applications. Subsidence analysis is an essential step to understand basin evolution through geologic time and space in the study of sediments and sedimentary basins. Quantifying techniques have been developed and applied in many basin research projects to evaluate total, tectonic and thermal subsidence. They are also a pre-requisite for basin evolution modelling. Recent studies have applied visualization techniques to understand regional subsidence contexts and trends, which confirmed that three-dimensional visualization of the basin subsidence is highly helpful to gain insight into basin evolution. In this book, we show how geoscience and computer science can be effectively combined in advanced basin analysis, especially in terms of basin subsidence. Each type of subsidence analysis is introduced with example applications. In particular we present a study of the Vienna basin using BasinVis, a MATLAB-based program for analyzing and visualizing basin subsidence. Given its breadth of coverage, this book will benefit students in undergraduate and postgraduate courses and provide helpful

information for research projects and industry applications.

Der Spiegel Christian Gemmer

Essentials of Ecology presents introductory ecology in an accessible, state-of-the-art format designed to cultivate the novice student's understanding of, and fascination with, the natural world. In a concise, engaging style, this text outlines the essential principles of ecology from the theoretical fundamentals to their practical applications. Full color artwork, simple pedagogical features and a wide range of timely examples make this book an ideal introduction to ecology for students at all levels. The second edition of this successful text provides expanded coverage and over 400 references including 100 new examples reflecting the vibrancy of the field. More than a simple update, the new edition also features new artwork <http://www.blackwellpublishing.com/townsend/Images.htm>, an enhanced design, and additional integrated applications to make Essentials of Ecology up-to-date and relevant. Outstanding features of the second edition of Essentials of Ecology include: * Dedicated website - study resources and web research questions provide students and instructors with an enhanced, interactive experience of the book www.blackwellpublishing.com/townsend * Key Concepts - summarized at the beginning of each chapter * Unanswered questions - highlighted throughout, emphasizing that in ecology, as in any science, we have much left to learn * History boxes - outlining key landmarks in the development of ecology * Quantitative boxes - allowing mathematical aspects of ecology to be explained thoroughly without interrupting the flow of the text * Topical ECOncerns boxes - highlighting ethical, social and political questions in ecology * Review questions - included at the end of each chapter

Integrated Reaction and Separation Operations expert verlag
Economic needs as well as ecological demands are major driving forces in improving chemical processes and plants. To meet these goals processes have to be intensified in order to get products of higher quality, to increase yield by reducing or even suppressing by-products and to minimise energy consumption. A preferred

principle for such intensifications is process - tegration, especially integration of reaction and separation operations. Scientific research in this field has been boosted by certain extremely successful examples like the Eastman-Kodak process for methyl acetate or the MTBE process which are milestones for this method. In 2002 the German Research Foundation defined process integration as one of the major research topics for the next decade. In 1998 the Department of Biochemical- and Chemical Engineering at the University of Dortmund decided to pool its activities for concerted efforts in process integration and to form a joint research cluster. Our interest was to find out the general challenges as well as obstacles of integrated processes and to work out methods for their design and valuation. Soon it became clear that theoretical work only cannot give reasonable answers.

X-Ray and Radium Protection

Nitrate is ubiquitous. It is present in water, soil, plants and food, and is also a normal human metabolite. The main external sources of nitrate are vegetables and drinking water. This book examines the relationship between nitrates and human health. During the last 50 years or so, nitrate has been feared as the source of the rare condition called methaemoglobinaemia, or 'blue baby syndrome', for young infants. Nitrate has also been implicated with causing cancer, through increased formation of carcinogenic compounds. Both claims are based on dubious evidence. This book sets out research results to disprove these assumptions, and goes on to explore the beneficial effects of nitrate in preventing infections, cancer and cardiovascular diseases. It is essential reading for researchers in medicine, and those in agriculture and food industries.

Kritische Justiz

Storage of Radioactive Waste

Mitteilungen aus Statistik und Verwaltung der Stadt Wien. Geschäftsgruppe Stadtplanung

Philostratus

Alternative Propulsion Systems for Automobiles