

Environmental Radionuclides Tracers And Timers Of Terrestrial Processes



Environmental Radionuclides Tracers And Timers

Chapter 2 Radionuclides as Tracers and Timers of Processes in the Continental Environment – Basic Concepts and Methodologies. Publisher Summary. 1. Introduction. 2. Radioactive Decay – Fundamentals of Radiometric Dating. 3. The Concept of Residence Time in Environmental Systems. 4. On the Definition of Environmental Tracers. References

Environmental Radionuclides, Volume 16 - 1st Edition

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RADIOACTIVITY IN THE ENVIRONMENT ENVIRONMENTAL RADIONUCLIDES: TRACERS AND TIMERS OF TERRESTRIAL PROCESSES Editor Klaus Froehlich Viktor-Wittner-Gasse 36/7, 1220 Vienna, Austria Amsterdam Boston Heidelberg London New York Oxford Paris San Diego San Francisco Singapore Sydney Tokyo

Radioactivity in the Environment, Volume 16: Environmental ...

Summary. Environmental Radionuclides presents a state-of-the-art summary of knowledge on the use of radionuclides to study processes and systems in the continental part of the Earth's environment. It is conceived as a companion to the two volumes of this series, which deal with isotopes as tracers in the marine environment (Livingston, Marine Radioactivity) and with the radioecology of ...

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Chapter 2 Radionuclides as Tracers and Timers of Processes in the Continental Environment – Basic Concepts and Methodologies. ... (Chapter 1) as tracers of environmental systems. The following chapters focus on the use of environmental radionuclides as tracers of processes in terrestrial systems, such as Chapters 3 and 4 (atmosphere), Chapter ...

Chapter 2 Radionuclides as Tracers and Timers of Processes ...

Origin and distribution of radionuclides in the continental environment / Jozef Masarik --Radionuclides as tracers and timers of processes in the continental environment --basic concepts and methodologies / Klaus Froehlich and Jozef Masarik --Radionuclides as tracers of atmospheric processes / Ivan Sykora and Klaus Froehlich --Radiocarbon as a ...

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Radioactivity in the Environment, Volume 16 - OverDrive

Environmental radionuclides—in combination with stable isotopes, geochemistry, and other hydrological techniques—provide a powerful tool, often indispensable, for studying the cycling of water in continental hydrological systems. The use of environmental radionuclides in surface water studies is reviewed in the chapter. The chapter also briefly discusses groundwater and geothermal water ...

Radionuclides as tracers and timers in surface and groundwater

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Using environmental radionuclides as tracers in sediment budget investigations DES W ALLING
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d.e.walling@exeter.ac.uk INTRODUCTION The use of fallout or environmental radionuclides to trace
and quantify the mobilisation, transfer

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