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Autore	Kratz Jens-Volker
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"In the newly revised Fourth Edition of Nuclear and Radiochemistry: Fundamentals and Applications, distinguished chemist Jens-Volker Kratz delivers a two-volume handbook that has become the gold standard in teaching and learning nuclear and radiochemistry. The books cover the theory and fundamentals of the subject before moving on the technical side of nuclear chemistry, with coverage of nuclear energy, nuclear reactors, and radionuclides in the life sciences. This latest edition discusses the details and impact of the Chernobyl and Fukushima nuclear disasters, as well as new research facilities, including FAIR and HIM. It also incorporates new methods for target preparation and new processes for nuclear fuel recycling, like EURO-GANEX. Finally, the volumes extensively cover environmental technological advances and the effects of radioactivity on the environment. " -- Publisher
