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## Sommario/riassunto

This book summarises approaches and current practices in actinide immobilisation using chemically-durable crystalline materials e.g. ceramics and monocrystals. Durable actinide-containing materials including crystalline ceramics and single crystals are attractive for various applications such as nuclear fuel to burn excess Pu, chemically inert sources of; irradiation for use in unmanned space vehicles or producing electricity for microelectronic devices, and nuclear waste disposal. Long-lived emitting actinides such as Pu, Np, Am and Cm are currently of serious concern has a result of increase