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Sommario/riassunto	This is a collection of papers presented in the symposium on extraction of rare metals as well as rare extraction processing techniques used in metal production. Paper topics include the extraction and processing of elements like antimony, arsenic, gold, indium, palladium, platinum, rare earth metals including yttrium and neodymium, titanium, tungsten, and vanadium. The rare processing techniques covered include direct extraction process for rare earth element recovery; biosorption of precious metals; fluorination behavior of uranium and zirconium mixture of fuel debris treatment; and recovery of valuable components of commodity metals such as zinc, nickel, and metals from slag.