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Nota di contenuto	Environmental Issues and Waste Management Technologies in the Ceramic and Nuclear Industries XI; Contents; Preface; Nuclear and Environmental Technology Applications in the Ceramic Industry; Indoor Air Pollution Control: Formaldehyde Adsorption by Zeolite Rich Materials; Molybdenum-Oxide Based Sorbants for Toxic Metals; Recovery of Palladium Via a Vitrification Process; Legal and Environmental Health and Safety Issues Facing Artists and Ceramic Engineers; Nuclear Waste Forms and Fuels Processing and Technology - Ceramic Forms

Computational and Experimental Studies of the Radiation Response of Gd2Ti207 PyrochloreHollandite-Rich Ceramics for the Immobilization of Cs; General Recipe and Properties of a Four Inch Hydroceramic Waste Form; Feasibility of Immobilizing Tank Wastes in Geopolymers; Processing and Characterisation of Fluorite-Related Ceramic Wasteforms for Immobilisation of Actinides; Immobilization of Cs And Sr in Geopolymers with Si/Al Molar Ratio of ~ 2; Nuclear Waste Forms Processing and Technology - Steam Reforming Steam Reforming Steam Reforming Technology for Denitration and Immobilization of DOE Tank WastesFeed Reactivity Study for Fluidized Bed Steam Reformer (FBSR) Processing; Durability Testing of Fluidized Bed Steam Reforming (FBSR) Products; Panel Discussion on Nuclear Waste Form Durability Testing and Disposal Status; The Product Consistency Test (ASTM C1285) for Waste Form Durability Testing; Leaching Properties for Qualification of Non-Vitreous Waste Forms; Nuclear Waste Forms and Fuels Processing and Technology - Glass Forms
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Effects of Aging and Temperature on the Rheological Properties of Simulatedmelter Feed Slurries for Nuclear Waste VitrificationIron Covalency Assumptions and Redox Equilibrium in Vitrification; Preliminary Control Strategy for Hanford Low-Activity Waste Glass Formulation; Index

Sommario/riassunto

This proceedings contains papers presented at the Ceramic/Glass Science and Technology for Nuclear and Environmental Industries symposium. Topics include nuclear and environmental technology applications in the ceramic industry; nuclear waste forms and fuels processing and technology - ceramic forms; nuclear waste forms processing and technology - steam reforming; panel discussion on nuclear waste forms durability, testing, and disposal status; nuclear waste forms and fuels processing and technology - glass forms; and advances in nuclear waste form testing and characterization methods.