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Nota di contenuto	6th Forum on New Materials - Part B; Preface; Table of Contents; Chapter 1: Materials for Nuclear Fission and Fusion Technologies; Indian Test Blanket Module in ITER - Development of RAFM Steel and Fabrication Technology; Study on the Creep and Fatigue Properties of CLAM Steel; Behavior at High Temperature of Metallic Liners (Ta, Nb) Used in the Sandwich Cladding Material of the GFR; Utilization Research and Development of Hydride Materials in Fast Reactors; Depleted Uranium as Hydrogen Storage Material; Characterization of SiC Ceramic Tube Prepared by the Combined CVI and CVD Process Status of the Low Enriched Uranium Fuel Development for High Performance Research Reactors A Microfluidic-Assisted Fabrication of Size-Controlled Porose CeO <sub>2</sub> Microspheres as an Analog Production of Nuclear Fuel Beads; Xenon Ion Irradiation Effects on a Ni-Base Ni-17Mo-7Cr Alloy; Chapter 2: Materials for Nuclear Waste Treatment and Disposal; Selective Decontamination and Stable Solidification of Cs-Insoluble Ferrocyanide by Zeolites; Fabrication and Chemical Durability

of Ceramic Technetium-Based Pyrochlores and Perovskites as Potential Waste Forms

Behavior of Fuel and Structural Materials in Severely Damaged

ReactorsA New Matrix for Conditioning Chloride Salt Wastes from the

Electrorefining of Spent Nuclear Fuel; Adsorption Materials

Development for the Separation of Actinides and Specific Fission

Products from High Level Waste; Progress at ANSTO on a Synroc Plant

for Intermediate-Level Waste from Reactor Production of <sup>99</sup>Mo; Review

of the Development of the Proposed Yucca Mountain Geologic

Repository; RADON Operational Experience in High-Temperature

Treatment of Radioactive Wastes

Leaching Behavior of Salt Wastes Conditioned with Sodalite Blended

with Two Different Glass PowdersKeywords Index; Authors Index

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 6 th Forum on

New Materials, part of CIMTEC 2014-13th International Ceramics

Congress and 6 th Forum on New Materials, June 15-19, 2014,

Montecatini Terme, Italy. The 18 papers are grouped as follows:

Chapter 1: Materials for Nuclear Fission and Fusion Technologies,

Chapter 2: Materials for Nuclear Waste Treatment and Disposal.

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