

TABLE OF CONTENTS

目 录

The Introduction of Decommission of Nuclear Facilities

(浅述核设施的退役)

R. X. MA, B. YANG, X.H. FANG.....49

The Fast Removal Techniques of a Small Amount of Protium from Hydrogen Isotopes Gas

(含氘氢同位素中少量气的去除技术研究)

Y. F. XIONG, Y. SHI, R. LI, Y. J. WEI, T. TANG, W. Y. JING.....54

Further Study on Containment Effectiveness for CAP1400

(对 CAP1400 安全壳有效性的进一步研究)

T. T. LU, G. B. SHI, Y. J. YANG.....59

Comparative Analysis and Discussion on the Standard of Safety Assessment for the

Decommissioning of Facilities Using Radioactive Material

(使用放射性物质设施退役安全评价国内外标准对比分析与讨论)

G. H. QIU, J. F. LI.....67

Ionizing Radiation Metrology and Fukushima Nuclear Leak

(福岛核事故中的电离辐射计量)

Q. MIAO, J. M. WANG, H. L. YAO, X. D. YANG.....74

Oxidation Behavior of Zirconium Hydride in Zirconium Alloys in Superheated Steam at 400°C

(锆合金中的氢化锆在 400°C 过热蒸汽中的氧化行为)

Y. J. MAO, W. R. DUAN, G. H. YUAN, B. GAO, G. C. SUN, J. HUANG, M. Y. YAO, J. L. ZHANG, B. X. ZHOU.....77

Design Scheme Investigation of PWR Passive Residual Heat Removal System

(压水堆非能动余热排出系统设计方案调研)

X. Y. WEI, M. ZHU, J. G. LIU.....84

Comparison and Analysis of AP1000 Nuclear Reactor Waste Treatment Technology in China

(对我国 AP1000 核电离堆废物处理技术的对比分析)

D. S. KONG, B. LI, R. X. MA, Z. L. GENG.....94