

TABLE OF CONTENTS

目 录

超临界二氧化碳矩形回路自然循环稳态数值研究 Steady State Numerical Study on the Natural Cyclic of Supercritical Carbon Dioxide in a Rectangle Loop	
黄家坚, 周源, 黄彦平, 王俊峰.....	153
核电站严重事故工况放射性废液源项简化估算 Simplified Estimation on Source Term of Radioactive Waste Liquid in Severe Accident Condition of Nuclear Power Plant	
马若霞, 王棋赟.....	165
压水堆核电厂便于退役的沉积源项控制措施研究 Studies on Deposition Source Term Control Initiatives Convenient to Decommissioning of PWR	
毛兰方, 付亚茹, 梅其良, 孙大威, 高圣钦, 丁宏春.....	172
低温可控核聚变的一种实现方式 A Way to Achieve Controlled Nuclear Fusion at Low Temperatures	
陈世浩, 陈紫微.....	178
不锈钢表面铈氧化镀层的激光清洗技术研究 Research on Laser Cleaning and Recycling Technology of Oxide Coating on Stainless Steel	
胡小飞, 王长水.....	183
基于超临界二氧化碳梳齿密封泄漏实验对现有计算模型评价 Evaluation of Existing Models Based on Experiments of Supercritical Carbon Dioxide Flows through Labyrinth Seal	
曾成天, 周源, 黄彦平, 田耕源, 黄家坚, 臧金光, 王俊峰.....	193
CPR1000 核电厂电动主给水泵中联管振动研究 Study on Vibration of Coupling Pipe in Electric Main Feed Water Pump of CPR1000 Nuclear Power Plant	
袁亮, 孔祥永, 徐樟楠, 陈森, 白金川.....	203
乏燃料后处理厂抗震类管道包络性计算分析审评实践 The Selection Principle for Calculating the Envelopment of Aseismatic Pipeline in Spent Fuel Reprocessing Plant	
丁子星, 黄兴蓉, 李高彦, 杜唱白.....	216
基于 BP 神经网络的核临界安全数据实时计算方法 Real-Time Calculation of Nuclear Critical Safety Data Based on BP Neural Network	
王端, 韦子豪, 李航, 李济民, 黄毓滢.....	220

基于规范的裂纹扩展计算与讨论

Specification-Based Crack Extension Calculation and Discussion

袁亮.....229

离子碘向元素碘转化行为模型研究

**Study on Models for the Conversion Behavior of Iodine Ions to Elemental Iodine
in Aqueous Solutions**

付亚茹, 高圣钦, 梅其良, 孙大威.....237