

目 录



◆ 核电专访

我国核燃料循环前端产业的现状和展望

李冠兴 2

◆ 核电规划

发挥专业化优势，积极稳步推进核电发展

王迎苏 10

◆ 核电政策

核电在我国应对气候变化中的作用和意义

侯惠群，吴 瑾，白云生 14

◆ 核电管理

核电运营企业的三个核心管理流程

戚屯锋 19

AP1000自主化依托项目管理模式的实践与探索

孙文科 24



◆ 核电研发

汽轮机叶片六轴联动砂带磨削轨迹规划技术研究

马宇箭，唐小琦，陈吉红，等 34

◆ 设备制造

核级阀门密封面堆焊

苏志东 39



◆ 核电建设

核电站核岛物项质量控制信息化实现

张建奎，藏柏齐 50

核电集约化建设集中采购优势及技术经济分析

王 锋 57



核电运营 ◆

泰山核电站海水系统防腐蚀措施及管理

卢洪涛, 郑宏练, 杨国栋 64

核电厂流程整理和优化试点项目的实施

陆秋生, 朱洪涌 70

核电安全 ◆

核电站蒸汽发生器泄漏监测

——氮-16辐射监测仪概述

解苑明, 季维同, 谢学涛 74

青年论坛 ◆

与环境相关的水文条件在核电厂厂址比选中的考虑

徐 续, 赵 锋, 谭承军, 等 80

国内核电厂厂址资源开发、保护和利用问题研究

贾小波, 郭 勇, 唐文忠 86

核电链接 ◆

演习为了实战

——记田湾核电站参演首次国家核事故应急演练

“神盾—2009” 90

核电资讯 ◆

国内特别报道 94

国外最新消息 96



CONTENTS



Special Interview on Nuclear Power

Status and future of China's front-end of nuclear fuel cycle industry

LI Guan-xing 2

Nuclear Power Planning

Taking professional advantages, and pushing forward the development of nuclear power actively and steadily
WANG Ying-su 10

Policy on Nuclear Power

The role and significance of nuclear power in China in response to climate change

HOU Hui-qun, WU Jin, BAI Yun-sheng 14

Nuclear Power Management

Three essential management processes of nuclear power plant operators

QI Tun-feng 19

Practice and exploration for the management mode of AP1000 self-reliance supporting project

SUN Wen-ke 24

Nuclear Power R&D

The project and technical study on the track of vertical axis linkage abrasive belt grinding of turbine blade

MA Yu-jian, TANG Xiao-qi, CHEN Ji-hong, et al. 34

Equipment Manufacture

Deposit welding on sealing surface for nuclear class valves

SU Zhi-dong 39

Nuclear Power Construction

Informatization of items quality control for NI in nuclear power plant

ZHANG Jian-kui, ZANG Bai-qi 50

Superiority of centralized procurement and its technical and economic analysis for nuclear power intensification construction

WANG Feng 57

Nuclear Power Operation

- Anti-corrosion measures and management of seawater system
in Qinshan Nuclear Power Plant
LU Hong-tao , ZHENG Hong-lian, YANG Guo-dong 64
- The implementation of pilot project for process arrangement
and optimization in nuclear power plant
LU Qiu-sheng, ZHU Hong-yong 70



Nuclear Power Safety

- Leakage rate monitoring for steam generator of
nuclear power plant
—General introduction of the ^{16}N radiation monitor
XIE Yuan-ming , JI Wei-tong , XIE Xue-tao 74



Youth Forum

- Consideration on hydrological conditions related to
environment for sitting of nuclear power plants
XU Xu , ZHAO Feng, TAN Cheng-jun et al. 80
- Study on the development, protection and utilization of
domestic nuclear power plant site resource
JIA Xiao-bo, GUO Yong, TANG Wen-zhong 86



Links to Related Organizations

- Combat exercise with live ammunition—Tianwan Nuclear
Power Plant taking part in the first national nuclear
emergency maneuver, known as "scared shield-2009" 90



Nuclear Power Information

- Domestic special coverage 94

- Latest foreign news 96