

ISSN 0258-8013
CODEN ZDGXER

中国电机工程学报

旬刊

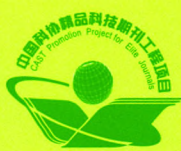
第 33 卷 第 2 期

Proceedings of the CSEE

THREE TIMES A MONTH

Vol.33 No.2

(特别关注: 发电)



1月 中旬
2013
2013-01-15 出版

ISSN 0258-8013



9 770258 801131



中国电机工程学会主办
THE CHINESE SOCIETY FOR ELECTRICAL ENGINEERING

万方数据

目 次

(发 电)

英文概述一览 (S1—S18)

· 热能工程 ·

煤的粉碎功耗计算模型研究现状及分析.....刘雪敏, 吴玉新, 吕俊复, 岳光溪 (1)

某电厂联合循环汽轮机启动过程优化.....丁阳俊, 盛德仁, 陈坚红, 洪雷, 顾正皓, 林成 (9)

蒙特卡罗法在分布式供能系统不确定性评价中的应用.....杨允, 张士杰, 肖云汉, 肖小清, 阚伟民 (16)

贫油直喷燃烧室燃烧稳定性的数值研究.....洪挺, 张文普 (24)

固阀塔板对煤气化飞灰洗涤净化性能的实验研究.....王清立, 陈雪莉, 郭志国, 龚欣 (31)

碱土金属 Ca 对铁矿石载氧体煤化学链燃烧的影响张思文, 沈来宏, 肖军, 顾海明, 宋涛 (39)

污泥水焦浆管道输送的壁面滑移和减阻特性.....马修元, 段钰锋, 刘猛 (46)

双支腿流化床压力脉动的递归分析杨春振, 段钰锋, 胡海韬 (52)

基于信息熵与主成分分析的火电机组综合评价方法.....齐敏芳, 付忠广, 景源, 马亚 (58)

火力发电厂燃煤供应商评价及选择模型.....董福贵, 刘慧美, 贾朝晖 (65)

· 工程热物理 ·

超轻多孔泡沫金属平板热管的传热性能研究.....纪献兵, 徐进良, Abanda Aime Marthial, 薛强 (72)

压水堆稳压器波动管热分层现象的流固耦合传热数值模拟.....刘彤, 王雪彩, 衣书宾 (79)

层流脉动流中平行圆柱体对流换热的实验研究.....李国能, 郑友取, 胡桂林, 张治国 (86)

· 核能与可再生能源发电 ·

塔式太阳能热发电吸热器运行安全性研究.....高维, 徐蕙, 徐二树, 余强 (92)

基于引力搜索核聚类算法的水电机组振动故障诊断.....李超顺, 周建中, 肖剑, 肖汉 (98)

基于 Takagi-Sugeno 模糊模型的核反应堆功率积分控制系统.....栾秀春, 周杰, 杨爱民, 翟羽 (105)

· 动力机械工程 ·

风电机组叶片裂纹故障特征提取方法.....陈长征, 赵新光, 周勃, 谷泉 (112)

行星齿轮箱齿轮分布式故障振动频谱特征.....冯志鹏, 褚福磊 (118)

· 行业信息 ·

《中国电机工程学报》连续 10 年获“中国百种杰出学术期刊”称号, 2 篇论文入选“2011 年中国百篇
最具影响国内学术论文” (23)

《中国电机工程学报》2012 年度刊登能源与动力工程领域论文排行 (126)

PROCEEDINGS OF THE CHINESE SOCIETY FOR
ELECTRICAL ENGINEERING

Vol.33 No.2 (Ser.445)

Jan. 15, 2013

CONTENTS
(Power Generation)

Extended Summary (S1—S18)

• Thermal Engineering •

Research on Calculation Models of Coal Comminution Energy Consumption
.....LIU Xuemin, WU Yuxin, LU Junfu, YUE Guangxi (1)

Optimization of Start-up Process in Combined Cycle Steam Turbine of a Power Plant
.....DING Yangjun, SHENG Deren, CHEN Jianhong, HONG Lei, GU Zhenghao, LIN Cheng (9)

Application of Monte Carlo Method in Uncertainty Evaluation for Cogeneration Systems
.....YANG Yun, ZHANG Shijie, XIAO Yunhan, XIAO Xiaoqing, KAN Weimin (16)

Numerical Study on Combustion Instability in Lean Direct Injection Combustor.....HONG Ting, ZHANG Wenpu (24)

Performance Characteristics of Coal Gasification Fly-ash Scrubbing by Fixed Valve Washing Tower
.....WANG Qingli, CHEN Xueli, GUO Zhiguo, GONG Xin (31)

Influence of Alkaline Earth Metals of Ca Loaded on Iron Ore in Chemical-looping Combustion of Coal
.....ZHANG Siwen, SHEN Laihong, XIAO Jun, GU Haiming, SONG Tao (39)

Wall Slip Behaviors and Drag-reduction Properties of Sludge Coke Slurry in Pipe Flow
.....MA Xiuyuan, DUAN Yufeng, LIU Meng (46)

Analysis of Pressure Fluctuations in a Dual-leg Fluidized Bed Based on Recurrence Plot
.....YANG Chunzhen, DUAN Yufeng, HU Haitao (52)

A Comprehensive Evaluation Method of Power Plant Units Based on Information Entropy and Principal Component Analysis
.....QI Minfang, FU Zhongguang, JING Yuan, MA Ya (58)

Evaluation and Selection Models of Coal Suppliers for Power Plants.....DONG Fugui, LIU Huimei, JIA Zhaohui (65)

• Engineering Thermophysics •

Investigation on Heat Transfer Performance of Flat Heat Pipes With Ultra-light Porous Metal Foam Wicks
.....JI Xianbing, XU Jinliang, Abanda Aime Marthial, XUE Qiang (72)

Fluid-solid Conjugate Heat Transfer Numerical Simulation of Pressurized Water Reactor Pressurizer Surge Line
Subjected to Thermal Stratification LIU Tong, WANG Xuecai, YI Shubin (79)

Experimental Study on Convection Heat Transfer of a Cylinder Parallel to the Direction of Laminar Pulsating Flows
.....LI Guoneng, ZHENG Youqu, HU Guilin, ZHANG Zhiguo (86)

• Nuclear and Renewable Power Generation •

Research on Operation Security of Solar Thermal Tower Power Plant Receiver
.....GAO Wei, XU Hui, XU Ershu, YU Qiang (92)

Vibration Fault Diagnosis of Hydroelectric Generating Unit Using Gravitational Search Based Kernel Clustering Method
.....LI Chaoshun, ZHOU Jianzhong, XIAO Jian, XIAO Han (98)

Integral Control System of Nuclear Reactor Power Based on Takagi-Sugeno Fuzzy Model
.....LUAN Xiuchun, ZHOU Jie, YANG Aimin, ZHAI Yu (105)

• Power Mechanical Engineering •

Study on Extracting Crack Fault Feature of Wind Turbine Blades
.....CHEN Changzheng, ZHAO Xinguang, ZHOU Bo, GU Quan (112)

Vibration Spectral Characteristics of Distributed Gear Fault of Planetary Gearboxes FENG Zhipeng, CHU Fulei (118)