

中国电机工程学报

第31卷 第8期 (总第379期) 2011年3月15日

目 次 (发 电)

· 热能工程 ·

- 燃烧调整对 NO_x排放及锅炉效率的影响 肖海平, 张千, 王磊, 孙保民 (1)
直接空冷凝汽器单元内加装消旋导流板的数值模拟 周兰欣, 李海宏, 张淑侠 (7)

· 工程热物理 ·

- 水煤浆空气分级燃烧及 NO_x排放特性试验研究 赵琛杰, 周俊虎, 刘建忠, 周志军, 黄镇宇, 等 (13)
蒸汽相变协同湿法烟气脱硫系统中烟气温湿度变化特性 熊桂龙, 辛成运, 杨林军, 陆斌 (18)
高浓度煤粉燃烧过程中燃料 N 释放特性实验研究 宋国良, 周俊虎, 岑可法 (25)
烟气脱硝选择性催化还原催化剂反应模拟研究 沈伯雄, 赵宁, 刘亭 (31)
生物燃料再燃脱硝特性实验研究 苏胜, 何金亮, 向军, 胡松, 孙路石 (38)
纳米复合钙基高温 CO₂吸收剂的合成与性能 罗聪, 郑瑛, 丁宁, 吴琪珑, 郑楚光 (45)
煤焦与生物质焦 CO₂共气化特性及分布活化能研究 高正阳, 胡佳琪, 郭振, 王星久, 吴小芳 (51)
采用共轭梯度法求解多变量稳态传热反问题 朱丽娜, 王广军, 陈红 (58)
卧式螺旋管内 R134a 沸腾两相传热特性实验研究 邵莉, 许之初, 韩吉田, 王美霞, 陈文文, 等 (62)
横向节距对锯齿螺旋翅片换热管特性影响的实验研究 马有福, 袁益超, 刘聿拯, 胡晓红 (67)
电磁层析成像系统敏感场激励特性仿真研究 付妍, 董峰, 谭超 (73)

· 动力机械与工程 ·

- 具有阻尼拉金和叶顶间隙的汽轮机末级复杂三维流动特性 李平, 张荻, 何林, 谢永慧 (80)
基于梯度法的自适应广义形态滤波在碰摩声发射信号降噪中的应用 蒋章, 邓艾东, 蔡宾宏 (87)
基于粒子群算法与改进 BP 神经网络的水电机组轴心轨迹识别 郭鹏程, 罗兴锜, 王勇劲, 等 (93)
灯泡贯流泵机组电机气隙不均对温升的影响 申剑, 仇宝云, 裴蓓, 冯晓莉, 徐小敏 (98)
高温受热面弯管氧化皮堆积的声振法检测研究 彭啸, 李晓红, 刘云, 赵洲峰, 丁辉 (104)
先进超超临界机组用 Inconel 740 合金的组织稳定性研究 张红军, 周荣灿, 侯淑芳, 郭岩 (108)

· 热工自动控制 ·

- 基于样条变换偏置棒 M-回归的电站热力过程数据检验 吴盈, 司风琪, 徐治皋 (114)

期刊基本参数: CN11-2107/TM * 1964 * S * A4 * 118* zh * P * ¥25.00 * 4000 * 20 * 2011-3 版权所有 未经许可不得转载及上网

PROCEEDINGS OF THE CHINESE SOCIETY FOR ELECTRICAL ENGINEERING

Vol.31 No.8 (Ser.379)

Mar. 15, 2011

CONTENTS (Power Generation)

• Thermal Engineering •

- Effect of Combustion Adjustment on NO_x Emission and Boiler Efficiency XIAO Haiping, ZHANG Qian, WANG Lei, SUN Baomin (1)
Numerical Simulation of Installation of the Deflector in Air-cooling Condenser ZHOU Lanxin, LI Haihong, ZHANG Shuxia (7)

• Engineering Thermophysics •

- Experiment Study on Characteristics of Combustion and NO_x Emission in Coal Water Slurry Air-staged Combusting ZHAO Chenjie, ZHOU Junhu, LIU Jianzhong, ZHOU Zhijun, HUANG Zhenyu, et al (13)
Temperature and Humidity Characteristics of Flue Gas From Combined Wet Flue Gas Desulfurization System and Heterogenous Condensation XIONG Guilong, XIN Chengyun, YANG Linjun, LU Bin (18)
Experimental Study on Fuel-N Release Characteristics During the Combustion of High Pulverized Coal Concentration SONG Guoliang, ZHOU Junhu, CEN Kefa (25)
Mathematical Simulation of Flue Gas Denitration Based on Selective Catalytic Reduction Catalyst SHEN Boxiong, ZHAO Ning, LIU Ting (31)
Experimental Study on Characteristics of Nitrogen Oxides Reduction by Biofuel Reburning SU Sheng, HE Jinliang, XIANG Jun, HU Song, SUN Lushi (38)
Synthesis and Performance of a Nano Synthetic Ca-based Sorbent for High Temperature CO₂ Capture LUO Cong, ZHENG Ying, DING Ning, WU Qilong, ZHENG Chuguang (45)
Investigation on the Co-gasification of Coal Char With Biomass Char and the Distributed Activation Energy GAO Zhengyang, HU Jiaqi, GUO Zhen, WANG Xingjiu, WU Xiaofang (51)
Estimating Steady Multi-variables Inverse Heat Conduction Problem by Using Conjugate Gradient Method ZHU Linan, WANG Guangjun, CHEN Hong (58)
Experimental Investigations on Two-phase Flow Boiling Heat transfer of R134a in Helically Coiled Tube SHAO Li, XU Zhichu, HAN Jitian, WANG Meixia, CHEN Wenwen, et al (62)
Experimental Studies on the Effects of Transverse Pitch on Heat Transfer and Flow Resistance Characteristics of Serrated Spiral Finned Tube Banks MA Youfu, YUAN Yichao, LIU Yuzheng, HU Xiaohong (67)
Simulation of Excitation Characteristics in Sensing Field of Electromagnetic Tomography System FU Yan, DONG Feng, TAN Chao (73)

• Power Mechanical Engineering •

- Study on Three Dimensional Flow of Last Stage With Lashing Wire and Tip Clearance in Steam Turbine LI Ping, ZHANG Di, HE Lin, XIE Yonghui (80)
Application of an Adaptive Generalized Morphological Filter Based on the Gradient Method in Rubbing Acoustic Emission Signal De-noise JIANG Zhang, DENG Aidong, Cai Binrong (87)
Identification of Shaft Centerline Orbit for Hydropower Units Based on Particle Swarm Optimization and Improved BP Neural Network GUO Pengcheng, LUO Xingqi, WANG Yongjin, et al (93)
Influences of Non-uniform Air-gap on Motors' Temperature Rise of Tubular Pump Unit SHEN Jian, QIU Baoyun, PEI Bei, FENG Xiaoli, XU Xiaomin (98)
Research on Detection of Accumulated Oxide at the Elbow of High Temperature Heating Surface Tubes by Acoustic Impulse Method PENG Xiao, LI Xiaohong, LIU Yun, ZHAO Zhoufeng, DING Hui (104)
Study on Microstructure Stability of Inconel 740 for Advanced Ultra Supercritical Unit ZHANG Hongjun, ZHOU Rongcan, HOU Shufang, GUO Yan (108)

• Heat Power Engineering Automatic Control •

- Data Validation of Thermodynamic System in Power Plant Based on the Partial Robust M-regression of Splines WU Ying, SI Fengqi, XU Zhigao (114)