



CACJ中国应用型核心期刊
RCCSE中国核心学术期刊

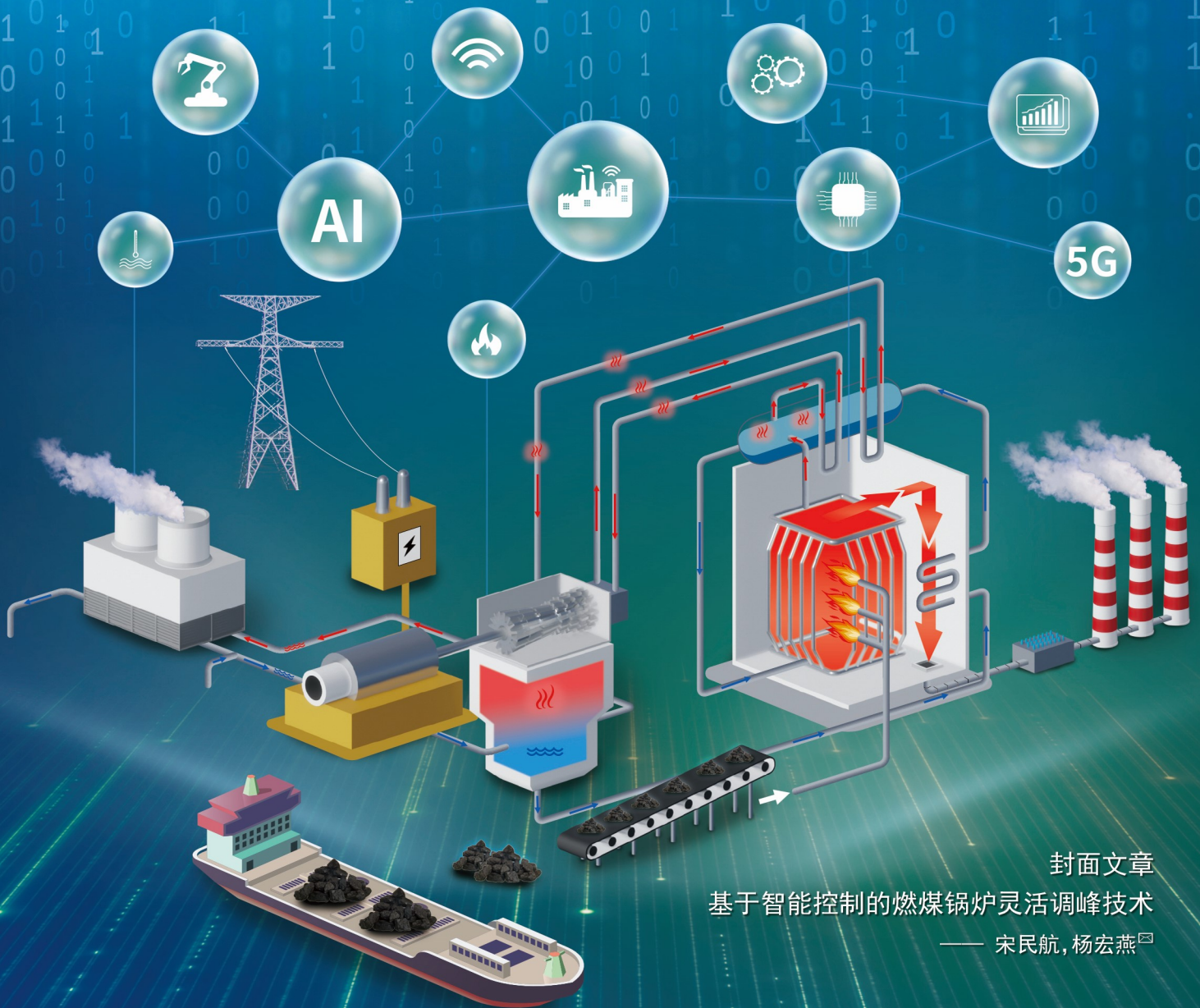


ISSN 2095-8676
CN 44-1715/TK
CODEN NFNYJK

南方能源建设

SOUTHERN ENERGY CONSTRUCTION

2024年11月 第11卷第6期 Vol.11 No.6



封面文章
基于智能控制的燃煤锅炉灵活调峰技术
—— 宋民航, 杨宏燕[□]



主办单位：南方电网数字传媒科技有限公司
中国能源建设集团广东省电力设计研究院有限公司

目次

基于智能控制的燃煤锅炉灵活调峰技术	宋民航, 杨宏燕 (1)
海洋浮体结构物设计: 水动力系数的预测	李伟, 范少涛, 王金玺, 刘天辉 (18)
适应新型电力系统的调峰火电机组空气预热器安全评估策略	王志敏, 黄骞, 柳冠青, 周勇, 张楠, 李诚, 李水清 (33)
含裂隙天然气水合物储层注热开采数值仿真	薛雯鸾, 彭瑞 (41)
掺醇生物柴油混合燃料蒸发特性	危昊翔, 王筱蓉, 姜根柱, 黄晨峻, 张溟睿 (52)
输电塔风致倒塌破坏研究进展	周琦, 王振华 (59)
“双碳”目标下中国农村能源发展现状、问题与对策	字琼珍, 王昌梅, 吴凯, 杨斌, 尹芳, 张无敌 (69)
新型工业化城市环境能源复合承载力评价——以东莞市环境能源可持续发展为例	李春慧, 陈翔, 李向阳, 王思淼, 汪子雄, 汪天祥 (79)
海上浮动式核电站汽轮发电机组方案设计与应用	罗贤勇, 施海云, 吴家凯 (88)
蒸汽发生器传热管束弯管区流致振动试验	李晓蒙, 杨林 (94)
海上漂浮光伏电站防雷设计	周程晟 (102)
海面风场资料在广东省阳江海上风电场区域的适用性	黄穗, 蔡彦枫, 王俊, 周川 (111)
砂土海床中大直径单桩桩-土相互作用	郑灿, 刘振韬, 廖侃, 张友虎 (124)
一种未来城市交能融合的自动物流配送系统设想——“路+”智慧城市地下自动物流配送系统	金蕾, 郭飞, 黄翔 (135)
基于模拟测算的新型储能商业模式及收益水平	陈泽维, 吴佳乐, 王善立, 张佳艺, 方兵, 燕鹏, 黄俊惠 (142)
考虑冷热电灵活性负荷需求响应的区域综合能源系统运行优化	刘钊, 郭子豪, 申安, 董剑敏 (153)
含逆变型分布式电源的负荷模型构建及参数辨识方法	李杰, 王杰, 梁文腾, 石璐杉, 王博仑, 熊宇峰, 张良驹, 周霞 (164)
蒙特卡洛模拟法在计算风场超越概率发电量中的应用	李化, 张彬彬, 丁艳军 (174)
基于IGCT器件的配电网柔性直流互联策略	苏成, 简翔浩, 孔志达, 伦振坚 (183)
◆ 信息	
广告目次	(141)

CONTENTS

Flexible Peak Shaving Technology for Coal-Fired Boilers Based on Intelligent Control	SONG Minhang, YANG Hongyan (1)
Design of Ocean Floating Structures: Prediction of Hydrodynamic Coefficients	LI Wei, FAN Shaotao, WANG Jinxi, LIU Tianhui (18)
Flexibility-Oriented Safety Assessment Strategy for Air Preheater in Thermal Power Units Adapting to the Advanced Power System WANG Zhimin, HUANG Qian, LIU Guanqing, ZHOU Yong, ZHANG Nan, LI Cheng, LI Shuiqing (33)
Numerical Simulation of Heat Injection Extraction in Fractured Natural Gas Hydrate Reservoir	XUE Luanluan, PENG Rui (41)
Evaporation Characteristics of Ethanol Blended Biodiesel Fuel for Generators WEI Haoxiang, WANG Xiaorong, JIANG Genzhu, HUANG Chenjun, ZHANG Mingrui (52)
Research Progress on Wind-Induced Collapse of Transmission Towers	ZHOU Qi, WANG Zhenhua (59)
Current Situation, Problem and Countermeasure of China's Rural Energy Development under the "Dual Carbon" Goal ZI Qiongzhen, WANG Changmei, WU Kai, YANG Bin, YIN Fang, ZHANG Wudi (69)
Evaluation of Environment and Energy Compound Carrying Capacity in Newly Industrialized Cities —A Case Study of Environmental and Energy Sustainable Development of Dongguan LI Chunhui, CHEN Xiang, LI Xiangyang, WANG Simiao, WANG Zixiong, WANG Tianxiang (79)
Design and Applilation of Steam Turbine Generator Units for Floating Nuclear Power Plant	LUO Xianyong, SHI Haiyun, WU Jiakai (88)
Experimental Study on Flow-Induced Vibration in Bend Zone of Steam Generator Tube Bundle	LI Xiaomeng, YANG Lin (94)
Lightning Protection Design of Offshore Floating Photovoltaic Power Station	ZHOU Chengsheng (102)
Applicability Analysis of Sea Surface Wind Field Data for Yangjiang Offshore Wind Farm in Guangdong Province HUANG Sui, CAI Yanfeng, WANG Jun, ZHOU Chuan (111)
Large Diameter Monopile Pile-Soil Interaction in Sandy Seabed	ZHENG Can, LIU Zhentao, LIAO Kan, ZHANG Youhu (124)
A Visionary Concept for the Integration of Transportation and Logistics Distribution in a Future City: "Way +" Smart City Underground Logistics System	JIN Lei, GUO Fei, HUANG Xiang (135)
New Energy Storage Business Models and Revenue Levels Based on Simulation Calculation CHEN Zewei, WU Jiale, WANG Shanli, ZHANG Jiayi, FANG Bing, YAN Peng, HUANG JunHui (142)
Optimization of Regional Integrated Energy System Operation Considering Flexible Load Demand Response for Cooling, Heating and Power LIU Zhao, GUO Zihao, SHEN An, DONG Jianmin (153)
Load Model Construction and Parameter Identification Method of Inverter-Interfaced Distributed Generator LI Jie, WANG Jie, LIANG Wenteng, SHI Lushan, WANG Bolun, XIONG Yufeng, ZHANG Liangju, ZHOU Xia (164)
Application of Monte Carlo Simulation for Calculating Power Generation with Exceeding Probability in Wind Farm LI Hua, ZHANG Binbin, DING Yanjun (174)
Flexible Interconnection Strategy of Distribution Network Based on IGCT	SU Cheng, JIAN Xianghao, KONG Zhida, LUN Zhenjian (183)
◆ Information	
Advertisement List	(141)