

<http://www.apshe.cn>

2021年第11期·第37卷·总第268期·月刊
2021 Vol.37 No.11 (Ser.268) Monthly

ISSN 1674-3814

CN 61-1474/TK

电网与清洁能源

Power System and Clean Energy

DIANWANG YU QINGJIE NENGYUAN

中文核心期刊 Chinese Core Journals

中国科技核心期刊 Chinese Science and Technology Core Periodical



ISSN 1674-3814



主管单位 国家电网有限公司
主办单位 国网陕西省电力公司
西安理工大学水利水电土木建筑研究设计院
Competent Authority State Grid Corporation of China
Sponsors State Grid Shaanxi Electric Power Company
Xi'an University of Technology, Research and Design
Institute of Hydraulic and Architectural Engineering



目 次

智能电网

- 01 考虑时变潮流的配电系统规划-运行可靠性精细化评估研究 / 张瀛,谢宁,王承民,苏毅方,俞伟
- 09 考虑微网和HVDC特性的电网黑启动优化 / 高浩荣,陈羽,顾泽林
- 17 阀控系统双套切换导致阀组闭锁的原因分析及对策 / 周登波,宋述波,周勇,陆启凡
- 25 基于Dijkstra算法的混联配电网故障区段定位方法 / 褚文超,李英俊
- 31 市场交易下电力联合外送多主体利益分配优化 / 丁毅宏,檀勤良,郑锦,代美,李渝
- 39 混联谐振耐压关键参数研究与实证性分析 / 雷阳,李浩,何信林,李春丽,李毅
- 47 基于多策略改进的遗传算法在配电网规划中的应用 / 王海军,董颖华
- 55 基于漏磁通的干式变压器匝间故障诊断 / 张晓华,蔡巍,武宇平,吕志瑞,马鑫晟,卢毅,黄彬
- 63 基于多维Hausdorff距离算法的站域电流回路故障检测 / 南东亮,王维庆,赵启,冯长有,张路,周杰
- 72 基于机器视觉的牵引供电接触网异物清除系统 / 汪洪亮,刘家军,易航,秦梓轩

清洁能源

- 80 基于条件风险价值的综合能源系统低碳运行 / 王平,张惠智,贾嵘,周承文,赵宁波
- 87 关于氢综合利用系统在西安地区宾馆类场景中的配置方法研究 / 闫娜,李宝昕,贾宏刚,王伟,严欢,王喆
- 94 基于成本约束的动态最优电动汽车充电 / 刘子伟,陈杰,陈鑫,段治丰
- 102 应用于光伏发电并网逆变器的有源阻尼控制策略 / 李臻,曹增新,蒋程,肖子涵,李宁
- 109 基于粒子群算法的多电源配电网储能功率配置方法 / 孟巍,郭腾炫,刘映娟,张东宁,宗振国

本刊送阅:

国务院、国家能源局、各省(区)政府电力、能源主管领导
国家电网、能源企业主要负责人
中国科学院、中国工程院院士
电力、能源相关学会、协会
中国国家图书馆、中国版本图书馆、各省(区)图书馆

Contents

Smart Grid

- 01 Research on Distribution System Planning–Operation Reliability Refined Evaluation Considering Time Varying Power Flow / *ZHANG Ying, XIE Ning, WANG Chengmin, SU Yifang, YU Wei*
- 09 Grid Black Start Optimization Considering Microgrid and HVDC Characteristics / *GAO Haorong, CHEN Yu, GU Zelin*
- 17 Cause Analysis and Countermeasure of Converters Locking Caused by Double Converter Control Systems Switching / *ZHOU Dengbo, SONG Shubo, ZHOU Yong, LU Qifan*
- 25 A Fault Section Location Method of Hybrid Distribution Network Based on Dijkstra Algorithm / *CHU Wenchao, LI Yingjun*
- 31 Optimization of Multi–Agent Benefit Distribution of Power Combined Transmission under Market Transaction / *DING Yihong, TAN Qinliang, ZHENG Jin, DAI Mei, LI Yu*
- 39 Research and Empirical Analysis on Key Parameters of Hybrid Resonant Voltage Withstand Test / *LEI Yang, LI Hao, HE Xinlin, LI Chunli, LI Yi*
- 47 Application of an Improved Genetic Algorithm with Multiple–Strategies Improvement in the Distribution Network Planning / *WANG Haijun, DONG Yinghua*
- 55 Inter–Turn Fault Diagnosis of Dry–Type Transformers Based on Flux Leakage / *ZHANG Xiaohua, CAI Wei, WU Yuping, LÜ Zhirui, MA Xinsheng, LU Yi, HUANG Bin*
- 63 Detection of the Current Secondary Circuit in the Substation Area Based on Multi–Dimensional Hausdorff Distance Algorithm / *NAN Dongliang, WANG Weiqing, ZHAO Qi, FENG Changyou, ZHANG Lu, ZHOU Jie*
- 72 The Foreign Objects Removal System of the Traction Power Supply Catenary Based on Machine Vision / *WANG Hongliang, LIU Jiajun, YI Hang, QIN Zixuan*

Clean Energy

- 80 Low–Carbon Operation of the Integrated Energy System Based on Conditional Value at Risk / *WANG Ping, ZHANG Huizhi, JIA Rong, ZHOU Chengwen, ZHAO Ningbo*
- 87 A Study on the Configuration of Hydrogen Comprehensive Utilization System for the Hotel–Type Scenario in Xi'an / *YAN Na, LI Baoxin, JIA Honggang, WANG Wei, YAN Huan, WANG Zhe*
- 94 Dynamic Optimal Electric Vehicle Charging Based on Cost Constraint / *LIU Ziwei, CHEN Jie, CHEN Xin, DUAN Zhifeng*
- 102 Active Damping Control Strategy Applied to Grid–Connected Inverter of Photovoltaic Power Generation / *LI Zhen, CAO Zengxin, JIANG Cheng, XIAO Zihan, LI Ning*
- 109 An Energy Storage Configuration Method for Multi–Power Distribution Network Based on Particle Swarm Algorithm / *MENG Wei, GUO Tengxuan, LIU Yijuan, ZHANG Dongning, ZONG Zhenguo*