

《中国核心期刊（遴选）数据库》收录期刊
《中国期刊全文数据库（CJFD）》收录期刊

ISSN 1007-9904
CN 37-1258/TM

山东电力技术

SHANDONG ELECTRIC POWER

1

2024

第51卷

2024年1月



广告

双高有源配电网态势感知与运行控制技术实验室



ISSN 1007-9904



国网山东省电力公司主办

目次

输电线路抗风设计、性能评估及风振控制

海岛大跨越输电塔线体系风振响应及动力失稳分析	于佳宝,卓越,张佳毅,郑 翀,曹枚根(1)
± 1100 kV 特高压输电塔线体系风振响应分析	杨子烨,朱超杰,施伟国,邓洪洲(11)
海岛输电塔线体系风振响应及易损性分析	曾璧环,池曦镔,张佳毅,杨德栋,曹枚根(24)

配电网

计及主动需求响应的配电网有功无功鲁棒优化调度	李 阳,张启亮,李开灿,孔维娜,刘学祺(35)
新型电力系统下配电网网络结构研究	龚俊祥,徐有琳,张 菁,许春华(45)

人工智能

基于时钟循环神经网络的光伏故障诊断	林永君,张世成,杨 凯,李 静(52)
基于核主成分分析和食肉植物算法优化随机森林的风电功率短期预测	陈晓华,吴杰康,龙泳丞,王志平,蔡锦健(59)
适于低功率状态的多特征融合负荷分解方法	李子凯,岳宝强,杨 波,周忠堂,王春宝(68)
基于EABC算法优化RFR模型的电力行业碳排放量预测	赵中华,张绪辉,王 太,刘 科,张利孟(77)

CONTENTS

•Wind-resistant Design,Performance Evaluation and Wind-induced Vibration Control for Transmission Lines•

Analysis of Wind Vibration Response and Dynamic Instability of Large Crossing Transmission Tower Line System

Between Islands YU Jiabao,ZHUO Yue,ZHANG Jiayi,ZHENG Chong,CAO Meigen(1)

Wind Induced Vibration Response Analysis of ± 1100 kV Ultra-high Voltage(UHV) Transmission Tower Line

System YANG Ziye,ZHU Chaojie,SHI Weiguo,DENG Hongzhou(11)

Wind Induced Vibration Response and Vulnerability Analysis of Island Transmission Tower Line System

..... ZENG Bihuan,CHI Xiqiang,ZHANG Jiayi ,YANG Dedong,CAO Meigen(24)

•Distribution Network•

Active and Reactive Robust Optimal Dispatch of Distribution Network Considering Active Demand Response

..... LI Yang ,ZHANG Qiliang ,LI Kaican,KONG Weina ,LIU Xueqi(35)

Research on the Network Structure of New Power System Distribution Network

..... GONG Junxiang,XU Youlin,ZHANG Jing,XU Chunhua(45)

•Artificial Intelligence•

Photovoltaic Fault Diagnosis Based on CW-RNN LIN Yongjun,ZHANG Shicheng,YANG Kai,LI Jing(52)

Short-term Wind Power Prediction Based on Random Forest Optimized by Kernel Principal Component Analysis and

Carnivorous Plant Algorithm ... CHEN Xiaohua,WU Jiekang,LONG Yongcheng,WANG Zhiping,CAI Jinjian(59)

Multi-feature Fusion Load Disaggregation Method for Low-power States

..... LI Zikai,YUE Baoqiang,YANG Bo,ZHOU Zhongtang,WANG Chunbao(68)

Forecast of Electricity Industry Carbon Emission Based on EABC Algorithm Optimized RFR Model

..... ZHAO Zhonghua,ZHANG Xuhui,WANG Tai,LIU Ke,ZHANG Limeng(77)

SHANDONG ELECTRIC POWER

(Monthly,Started in 1974)

Administration State Grid Shandong Electric Power Company**Sponsor** State Grid Shandong Electric Power Company**Edited by** Editorial Department of Shandong Electric Power**Chief Editor** WU Wenchuan MENG Yu**Address** No.2000,Wangyue Road,Jinan,China 250003

