

http://www.apshe.cn

2018年第6期·第34卷·总第227期·月刊
2018 Vol.34 No.6 (Ser.227) Monthly

ISSN 1674-3814

CN 61-1474/TK

电网与清洁能源

Power System and Clean Energy

中文核心期刊 Chinese Core Journals

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

美国《乌利希期刊指南》收录期刊 Indexed by Ulrich's Periodicals Directory, United States

波兰《哥白尼索引》(IC)来源期刊 Source Periodicals for Index of Copernicus (IC), Poland

DIANWANG YU QINGJIENENGYUAN



ISSN 1674-3814

主管单位
主办单位

国家电网有限公司
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
State Grid Corporation of China
State Grid shaanxi Electric Power Company
Xi'an University of Technology, Research and Design
Institute of Hydraulic and Architectural Engineering

Authorities in Charge
Sponsor



9 771674 381085

万方数据

2018.
06

智能电网

- 01 基于长期边际成本的输电定价方法 / 黄海涛,金天新
- 07 基于主客观权重的配电网规划效益评价 / 姚峰,张海燕
- 12 基于混沌多项式展开的地磁感应电流不确定性研究 / 崔茜凯,刘青,宁晓亮,祁文治,卫永鹏
- 19 基于BP神经网络方法的的城市用电量预测模型研究 / 冯伟,蒋玮,杨乐,姚建光,郭亮,吴倩,汤海波
- 26 输配电线路经济电流密度的探讨 / 明煦,江文波,张漫,王主丁
- 33 采用启发式搜索的含分布式电源配电网供电恢复策略研究 / 赵锋,陈潇一,钱文妹
- 41 基于大数据采集的三相表错接线判断方法研究 / 梁洒佳,司珍珍

清洁能源

- 47 含潮汐电站的海岛微网多目标优化调度 / 黄景光,陈波,林湘宁,于楠,吴巍,叶元
- 53 孤立运行模式下海岛综合能源系统的能量控制策略 / 吴峰,杨柳燕
- 61 一种基于最优电流控制适应多变环境条件的光伏系统MPPT策略研究 / 王璟,田春笋,李秋燕,丁岩,王利利,蒋小亮,赵健
- 69 光伏并网NPC三电平逆变器调制算法研究 / 沈渭程,刘丽娟,董开松,马喜平,魏博,马富齐
- 76 电改新形势下新能源消纳市场机制设计 / 纪晓军,王雨晴
- 80 基于综合能源系统的最优潮流解耦算法 / 鲍玉川,张巧霞,张萌,邓建青,肖峥,田箐,周冬

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

Power System and Clean Energy

2018 Vol.34 No.6 (Ser.227) Monthly

Smart Grid

- 01 Pricing Method for Power Transmission Based on Long –Run Marginal Cost / *HUANG Haitao, JIN Tianxin*
- 07 Benefit Analysis of Distribution Network Planning Based on Improved Entropy– Weighted / *YAO Feng, ZHANG Haiyan*
- 12 Study on Uncertainty of Geomagnetically Induced Currents Based on Polynomial Chaos Expansion / *CUI Xikai, LIU Qing, NING Xiaoliang, QI Wenzhi, WEI Yongpeng*
- 19 Research on Forecasting Model Based on BP Neural Network for Urban Electricity Consumption / *FENG Wei, JIANG Wei, YANG Le, YAO Jianguang, GUO Liang, WU Qian, TANG Haibo*
- 26 Models and Strategies of Distribution Network Investment Allocation / *MING Xu, JIANG Wenbo, ZHANG Man, WANG Zhuding*
- 33 A Power Service Restoration Study on Distribution Network with Distributed Generation Based on Heuristic–Search / *ZHAO Feng, CHEN Xiaoyi, QIAN Wenshu*
- 41 Research on Judgement Method of Three–phase Meters’ Fault Wire Connection Based on Bigdata / *LIANG Sajia, SI Zhenzhen*

Clean Energy

- 47 Multi–Objective Optimal Scheduling of the Micro–Grid with Tidal Power in Insular Islands / *HUANG Jingguang, CHEN Bo, LIN Xiangning, YU Nan, WU Wei, YE Yuan*
- 53 Research on Energy Control Strategy of Isolated Island Integrated Energy System / *WU Feng, YANG Liuyan*
- 61 An OCC–Based MPPT Technique for PV Generation under Variable Environmental Conditions / *WANG Jing, TIAN Chunzheng, LI Qiuyan, DING Yan, WANG Lili, JIANG Xiaoliang, ZHAO Jian*
- 69 Research on Modulation Algorithm of NPC Three Level Inverter for Photovoltaic Grid Connection / *SHEN Weicheng, LIU Lijuan, DONG Kaisong, MA Xiping, WEI Bo, MA Fuqi*
- 76 Design of New Energy Consumption Market Mechanism under the New Situation of Electric Reform / *JI Xiaojun, WANG Yuqing*
- 80 Optimal Power Flow Decoupling Algorithm Based on Integrated Energy System / *BAO Yuchuan, ZHANG Qiaoxia, ZHANG Meng, DENG Jianqing, XIAO Zheng, TIAN Zheng, ZHOU Dong*