

CONTENTS

• Electricity Generating Technology •

Evaluation on Electrochemical Potentiokinetic Reactivation for Intergranular Corrosion Performance of Super304H Welded Joints	ZHANG Chunlei , CHEN Yaqing (1)
Influence of Indonesia Coal Blending Combustion Mode on Operating Performance of Boiler	ZHANG Dianping , DENG Jian , ZHONG Lijin , WANG Guoqiang , FANG Qingyan , ZHANG Cheng , CHEN Gang (5)
Diagnosis and Positioning of Turn-to-turn Short Circuit Fault of Large Scale Generator Rotor	GUO Yongxiong , SHEN Wenhua (9)
Experiment and Optimization on Flow Characteristic of Digital Electric Hydraulic Control Valve of Steam Turbine	XU Yuwei , LEI Zengqiang , PENG Pei (12)
Improvement of Control Scheme for Speed Regulating System of Motor-driven Feed Water Pump in Daya Bay Nuclear Power Plant	ZHOU Qi (17)
Summary on Optimization and Experiment on Thermal Control Logic for Fast Cut Back of 1 000 MW Generator Unit	XIONG Yubo (20)

• Electric Power Planning & Construction •

Prediction on Technological Transformation of Substation Primary Equipment Based on Assets Wall	YANG Xi , CHEN Xing , SONG Yiqun , YANG Jingfei , WEN Xiaosheng , CHEN Zhifeng (25)
---	---

• Power System Operation & Control •

Research on Risks of Safety in Utilizing Electric Energy of Power Consumers Based on Three Parameters Interval Numbers Improved ANP	LIN Shuaishuai , LI Cunbin (30)
Discussion on Parallel Operation of 500 kV On-load and No-load Tap Changing Transformers	XI Yunhua , LIN Libo , ZHU Xiqiao , QIU Yong (35)
Research on Standardization of Online Monitoring Spectrogram Data of Electrical Equipments	ZHAI Ruicong , WANG Hongbin , ZHU Wenjun (39)

Optimization on Reactive Power of Power System Based on Particle Swarm and Its Improved Algorithm

..... ZHONG Ming , WEN Bo , HONG Binzhuo (45)

Design of Temperature Monitoring System of High Voltage Switch Cabinet Based on Fiber Bragg Grating

..... LIAO Zhijun , HUANG Xinbo , ZHAO Yang , ZHU Haitao (50)

• Power Transmission & Distribution Technology •

Discharge Phenomena and Mechanism of Fixed Suspensoid

..... LI Kaiman , YANG Chu , YE Qizheng (56)

Distribution Characteristic of Transient Earth Voltage on the Surface of Polyhedral Switchgear

..... HUANG Chao , LI Ruipeng , YU Ying , ZHANG Wei , ZHANG Long , YANG Yuqi (61)

Detection on Partial Discharge Signal Based on Coupling Chaos

..... XU Yanchun , CHEN Guoxun (66)

Analysis on Instability Mode of Wind Vibration of 110 kV Lines and Onsite Management

..... HE Ping , HE Ruobing , WANG Wei , XIE Wenping (70)

Construction Method of Uninterruptible Power Crossing 10 kV Overhead Lines

..... HUANG Shuntao , CHEN Wenjun (74)

Analysis on Fracture of SSY Equipment Wire Clamp in 550 kV Substation

..... LU Zhenyu , LI Wensheng , HE Fengsheng (77)

Modeling for Power Distribution Lines by Using PSCAD Cable Model

..... CHEN Jinsheng (82)

Improved Fuzzy Algorithm for Fault Diagnosis on Dissolved Gas in Transformer Oil

..... ZHOU Jian , HUANG Xin , ZOU Jian , LI Tingguang (86)

Research on Several Issues about Standardization of Novelty Search for Electric Power Science and Technology

..... XU Lixin , LI Peng , WANG Xiao , DAI Li (92)

Chief Editor: HE Hongming

Deputy Chief Editor: KAN Jie , LI Lijuan

Address: No. 10 , Shuijungang , Dongfeng Road East , Guangzhou , China

Post Code: 510080 **Tel:** (8620) 85125659 **Fax:** (8620) 87609562

E-mail: gddl888@ sohu. com

Web Site: http://gddl. gddky. csg. cn