

TABLE OF CONTENTS

目 录

The Analysis of Global Offshore Wind Power Development Prospect and Its Enlightenment for China (全球海上风电发展前景分析及其对我国的启示)	
H. LI, A. J. MAO.....	13
Research and Application Progress on Coal-to-Synthetic Oil Technology (煤制合成油技术研究与应用进展)	
N. YANG.....	18
Analysis of Low Carbon Power Infrastructure of Taiwan (台湾低碳电力结构分析)	
S.-M. LU.....	22
DSP-Based Low-Frequency Load Shedding Equipment Design and Application (一种基于 DSP 技术的低频减载装置的设计与应用)	
X. F. LV, Y. H. WANG, C. TIAN.....	34
The Simulation of HVDC Transmission System Based on MATLAB (基于 MATLAB 的高压直流输电系统的仿真)	
Y. S. FENG.....	39
Regulation and Control of pH Value for High Purity Water (用 NaOH 调节高纯水的 pH 值)	
J. SHEN, D. S. LIN.....	45
Effect of Electrolyte/Cathode Interface Structure on Cathode Performance of Solid Oxide Fuel Cells (电解质/阴极界面结构对固体氧化物燃料电池阴极性能的影响)	
X. M. WANG, X. LI, X. JIN, Z. Y. WU, L. L. WANG, F. J. YU.....	49
Research on the Influence of the Unit Spacing on the Performance of Wind Turbines (风电场中机组间距对风力机性能影响研究)	
J. JIANG, G. LAN, D. D. LI, W. S. YI, G. Y. ZHANG.....	54
Based Stepless Technology of the Reactive Power Compensation Research (基于无级差技术的无功功率补偿研究)	
J. Z. DU, J. J. SONG.....	60
Study to Improve the Wind Energy Conversion Efficiency with the Variable Speed Control (提高风电机组风能转化效率的变速控制技术研究)	
Y. DENG, D. ZHANG, F. ZHOU, X. B. TONG, D. TIAN.....	64
Analysis of Temperature Field of the Canned Motor (屏蔽电机温度场分析)	
W. Y. YANG, H. S. WANG, F. D. MENG.....	72

Study on the Real-Time Sampling System of PWM Voltage in the Power Hardware-in-the-Loop System
(功率型半实物仿真系统中高频脉波电压的实时采样)

Q. J. HUANG, L. C. LIU, C. D. CHEN.....77

Global Network Optimized Resistance to Restrict Transformers Direct Current Magnetic Bias
(抑制直流偏磁电阻的全网优化计算)

W. B. Chen.....89

Numerical Simulation and Structure Optimization of the Minimum Flow Valve
(最小流量阀的数值分析及结构优化)

Z. Z. LIU, J. JIANG, N. ZHANG, L. S. ZHANG, Y. H. LI.....94

Pressure Observation and Analysis of Working Face with Cantilever Support in Three Soft Coal Seam
(“三软”煤层悬移支架工作面矿压显现规律研究)

J. T. LU, Z. Q. CUI, B. WANG, Y. B. JING, G. Z. SUN.....100