

Journal of Clean Energy Technologies

CONTENTS

Volume 5, Number 2, March 2017

• Wind Energy

A Robust Pair Copula-Point Estimation Method for Probabilistic Small Signal Stability Analysis with Large Scale Integration of Wind Power.....85

P. Kanyingi, Keyou Wang, Guojie Li, and Wei Wu

Research on the Dispatch Model of Power Systems with Wind Power and Pumped Storage Station.....95

Bo Yuan, Yawu Zhang, Jin Zong, Shengyu Wu, Han Huang, and Lu Cheng

An Assessment of Wind Power Potential along the Coast of Bursa, Turkey: A Wind Power Plant Feasibility Study for Gemlik Region.....101

Semih Akin and Yusuf Ali Kara

• Solar Energy

Numerical Modelling of Solar Parabolic Trough Receiver Employed for Thermal Energy Storage System....107

Nallusamy Nallusamy, Panneerselvam Malathi Sivaram, and Mariappan Suresh

Improving the Performance of MPPT on DC Grid PV Systems by Modified Incremental Conductance Algorithm.....114

Mehmet Ali Özçelik and Ahmet Serdar Yılmaz

Analysis of Solar-Assisted Cooling Chamber.....120

Mustafa Atmaca, Ahmet Berk Kurtulus, Ibrahim Girgin, and Cuneyt Ezgi

A Review of Renewable and Sustainable Energy Potential and Assessment of Solar Projects in Iran.....126

Shayan Fathi and Arash Mirabdollah Lavasani

Influence of PV Penetration on Distribution Transformer Aging.....131

Banu Uçar, Mustafa Bağrıyanık, and Güven Kömürçü

• Clean Energy Technology

Hydrogen-Rich Gas for Clean Combustion in a Dual-Fuel Compression Ignition Engine.....135

Horng-Wen Wu, Tzu-Ting Hsu, and Rong-Fang Horng

The Advantage of Aerosol Manipulation by Twin Types of Acoustic Resonances.....142

Zhenghui Qiao, Yaji Huang, Vincenzo Naso, and Wei Dong

• Electrical Energy

Multi-scenario Active Distribution Network Planning Considering of Demand Response and Emission Reduction.....147

Nan Li

Framework and Research Progress of Generation Energy Integrated Transport System Planning Methods in China.....154

Shengyu Wu, Bo Yuan, and Songxu Xin

A Framework to Include Wind-Thermal Bundled Power Transmission Pattern in Multi-region Generation Expansion Planning Model.....	159
<i>Shengyu Wu and Xufeng Song</i>	
• Energy Policy and Biogas	
High Proportion Renewable Energy Supply and Demand Structure Model in 2050.....	163
<i>Xiaoxia Wei, Jie Liu, Tiezhong Wei, and Lirong Wang</i>	
Mathematical Modelling of Biogas Dehumidification by Using of Counter Flow Heat Exchanger.....	170
<i>Aigars Laizāns and Revik Vardanjan</i>	