## International Journal of Smart Grid and Clean Energy

## CONTENTS

## Volume 5, Number 2, April 2016

## **Power System**

The efficiency analysis of different combined cycle power plants based on the impact of selected parameters 77
Tien-Dat Hoang and Daniel Kazimierz Pawluskiewicz
Loss and load reduction by coordinated control of community energy storage and OLTC 86 Jae Won Chang, Ki Hoon Kang, Gyu Sub Lee, Jin Oh Lee, and Seung-Il Moon
Very short-term load forecasting based on a pattern ratio in an office building
Clean Energy
Effect of fermentation on the acetate-dominated rumen microbial fuel cells
Ida Fahani Md Jaye, Jhuma Sadhukhan, and Richard J. Murphy
Smart Grid
Graph partitioning of power grids considering electricity sharing
Saving Energy Technology Optimum energy consumption by using kinetic shading system for residential buildings in hot arid areas
Mostafa M. S. Ahmed, Ali K. Abdel-Rahman, Mahmoud Bady, Essam K. Mahrousd, and M. Suzuki
Designing an energy performance rewards system based on the energy conservation mathematical model 129
Tsai Yunq-Tse