

# Table of Contents

Volume 4    Number 3

March 2016

## **Analysis on the Durability of Hybrid Polymer Composites for Power FGD System**

Z. Y. Wang, L. J. Xiu, E. H. Han, Y. H. Zhang, Y. A. Zhao, M. Liu.....1

## **Safety Assessment of Ionic Liquid-Based Lithium-Ion Battery Prototypes**

J. Kalhoff, G.-T. Kim, S. Passerini, G. B. Appetecchi.....9

## **The Namibian Electrical Energy Mix and Its Implications for Air Quality and Climate Variability**

N. A. Kgabi.....19

## **Comparative Analysis between Single Diode and Double Diode Model of PV Cell: Concentrate Different Parameters Effect on Its Efficiency**

T. Ahmad, S. Sobhan, Md. F. Nayan.....31

## **A SVM Based Condition Monitoring of Transmission Line Insulators Using PMU for Smart Grid Environment**

K. Saranya, C. Muniraj.....47

## **Design of a Fixed-Order Robust Controller to Damp Inter-Area Oscillations in Power Systems**

A. Abdrahem, P. Saraf, K. Balasubramaniam, R. Hadidi, A. Karimi, E. Makram.....61

## **Hydro Matrix Power Wheels Generate More than 5 GW/h from Main Branch Canals (River Nile) in Egypt**

H. F. A. Hamed, A. M. Kassem, M. E. M. Ali.....71