

## Table of Contents

Volume 3    Number 12

December 2015

**Production of CH<sub>4</sub> in a Low-Pressure CO<sub>2</sub>/H<sub>2</sub> Discharge with Magnetic Field**

K. Arita, S. Iizuka.....69

**First-Principles Investigation of the Effect of M-Doped (M = Zr, Hf) TiCoSb  
Half-Heusler Thermoelectric Material**

G. L. Sun, Y. Y. Li, X. X. Zhao, Y. M. Mi, L. L. Wang.....78

**First Principles DFT Study of Hydrogen Storage on Graphene with La Decoration**

Y. Y. Li, Y. M. Mi, G. L. Sun.....87

**Carbonization of Chlorinated Organic Residual Liquid for Energy Source Generation**

Y. Q. Ge, W. Q. Zhang, G. Xue, J. C. Zhao.....95