

TABLE OF CONTENTS

Volume 3 Number 4

October 2013

Interaction of Bubbles with Vortex Ring Launched into Bubble Plume

T. Uchiyama, S. Kusamichi.....207

Physical Modeling of the Enzymatic Glucose-Fuelled Fuel Cells

V. (Z.) Rubin, L. Mor.....218

Evaluation of Methane Yield on Mesophilic-Dry Anaerobic Digestion of Piggery Manure Mixed with Chaff for Agricultural Area

D.-H. Kwak, M.-S. Kim, J.-S. Kim, Y.-Y. Oh, S.-O. Noh, B.-O. So, S.-Y. Jung, S.-J. Jung, S.-W. Chae.....227

Coating of Medical-Grade PVC Material with ZnO for Antibacterial Application

H. X. Lin, L. Y. Ding, W. H. Deng, X. X. Wang, J. L. Long, Q. Lin.....236

Pre-Treatment of High Free Fatty Acids Oils by Chemical Re-Esterification for Biodiesel Production—A Review

G. G. Kombe, A. K. Temu, H. M. Rajabu, G. D. Mrema, J. Kansedo, K. T. Lee.....242

Low Temperature Glycerolysis as a High FFA Pre-Treatment Method for Biodiesel Production

G. G. Kombe, A. K. Temu, H. M. Rajabu, G. D. Mrema, K. T. Lee.....248

Correlation and Prediction of the Solubility of Solid Solutes in Chemically Diverse Supercritical Fluids Based on the Expanded Liquid Theory

L. Nasri, S. Bensaad, Z. Bensetiti.....255

The Mechanical Properties of the System and Training $Zr_{59}Nb_5Cu_{18}Ni_8Al_{10}$ Bulk Metallic Glasses

N.-E. Chakri, B. Bendjemil, M. Baricco.....274

Biological Template Based on *ent*-Kaurane Diterpenoid Glycosides for the Synthesis of Inorganic Porous Materials

Á. B. Sifontes, M. Rodriguez, D. Freire, W. Rondón, L. Llovera, E. Cañizales, F. J. Méndez, A. Monaco, Y. Díaz.....278

Process Optimization of Effective Partition Constant in Progressive Freeze Concentration of Wastewater

M. Jusoh, A. Johari, N. Ngadi, Z. Y. Zakaria.....286

Modeling a General Equation for Pool Boiling Heat Transfer

M. S. Hameed, A. R. Khan, A. A. Mahdi.....294