

Table of Contents

Microfiltration Performance of α -Alumina Membrane for Removal of Glycerol from Biodiesel

S.P. Kusumocahyo, N.S. Maharani and S. Yusri 1

Challenges in Syngas Fermentation for Bioethanol Production: Syngas Composition

R. Mukti, M.T.A.P. Kresnowati and T. Setiadi 9

Enhance the Growth of *Clostridium ljungdahlii* Microbial Cells by Modifying the Medium Composition and Trace Metals

N.A. Istiqomah, G.M. Krista, R. Mukti, M.T.A.P. Kresnowati and T. Setiadi 21

Determination of Data Driven Soft Sensors in Dimethyl Ether Production by Reactive Distillation Column

B.H. Bisowarno, P. Ramadhany and T.G.S. Wibowo 31

Peak Wavelength Mapping of Triangular Reflection in Spherical Colloidal Cluster with Icosahedral Symmetry

R. Ohnuki, Y. Takeoka and S. Yoshioka 39

Extraction Technology for Manganese Sulfate Solution Purification

C.Z. Li, H.Y. Xie and H.X. Jin 45

Carbonaceous Catalyst Activated Persulfate for Degradation of Antibiotic Pollutants in Water

C.K. Zhong 57