Korean Chemical Engineering Research

December 2010	
Volume 48, Number 6	

Korean Chem. Eng. Res., 48(6) 673-808(2010) ISSN 0304-128X

Article

Article Industrial Chemistry(Including Electrochemistry, Analytical Chemistry) · Catalysis/Reaction Engineering	
Effect of Graphite Nanofibers Addition on the Electrochemical Behaviors of Platinum Nanoparticles Deposited on Activated Carbons Wonbin Jo, Misoon Oh, Juhyun Kim and Seok Kim	470
Regeneration of TS-1 Catalyst During Phenol Hydroxylation (Calcination temperature dependence)	673
Song Yi Kwon, Songhun Yoon, Kyung Sub Um, Jae Wook Lee and Chul Wee Lee	679
Dehydration of D-xylose over SAPO Catalysts Synthesized with Various Structure Directing Agents	
Saet Byul Kim, Su Jin You, Yong Tae Kim, Ho-Jeong Chae, Soon-Yong Jeong and Eun Duck Park	684
Anti-oxidation and Anti-atopic Dermatitis Effect of Herbal Wood Vinegar Tagon Kim, Hwa Jung Nho, Sang Hui Jun, Kang Bae Kim and Donguk Kim	690
Life Expectancy Estimation of the Propellants KM10 using High Temperature Acceleration Aging Tests and Stockpile Analysis Test Ki-Hong Cho and Eui Yong Kim	695
Anti-acne and Anti-atopic Dermatitis Effect of Plant Extracts Including Eucommia ulmoides Oliv and Phellodendron amurense	
Gi Eun Kim, Jin Hong Kim, Seul Ki Hong, Tagon Kim and Donguk Kim Optimization of Ammonia Percolation Process for Ethanol Production from Miscanthus Sinensis	700
	704
Crystallization Kinetics of Reactive Dye(Reactive Red 218) in Salting-out Crystallization System	
Hyun-Kak Han, Hye-jin Kang and Jong-hoon Lee	712
Comparison of Partial Least Squares and Support Vector Machine for the Flash Point Prediction of Organic Compounds	747
Chang Jun Lee, Jae Wook Ko and Gibaek Lee	717
Process System Engineering · Transport Phenomena · Process Safety	
Study on Control Efficiency of Fully Thermally Coupled Distillation Column for BTX Separation	
······Mi Hee Kim, Chang Won Park, Ju-Yeong Lee, Young Han Kim and Kyu Suk Hwang	725
Powder Technology · Fluidized Bed · Polymers · Materials(Inorganics, Organics) Preparation and Property of SBS Ion-exchange Membrane Via Post-sulfonation	
Yongjae Choi, Eui Hwan Hwang and Taek Sung Hwang	731
Leakage Current and Threshold Voltage Characteristics of a-Si:H TFT Depending on Process Conditions	
Kee-Jeong Yang and Do-Young Yoon	737
Separation · Thermodynamic	
Phospholipids Isolation from Squid Viscera Residues After Supercritical Carbon Dioxide Extraction	
Pyoung-Ook U and Byung-Soo Chun	741
Amino Acid Recovery from Brown Seaweed(Undaria pinnatifida) Using Subcritical Water Hydrolysis	
Investigation on Desorption Characteristics of VOCs Adsorbed on used Activated Carbons Collected from Painting Process	747
Joo Yeon Kim, Sung Min Yoon, Kunyik Park, Soo Kyung Yoon, In Sub Kil, Hui Jae Park and Young-woo Rhee Study of NIR in-line Monitoring of Physicochemical Changes during the Crystallization Process of Aspirin	752
	757
High-pressure Phase Behavior of 1-propanol/Carbon Dioxide Binary System	
Adsorption and Desorption Dynamics of Ethane and Ethylene in Displacement Desorption Process using Faujasite Zeolite	763
Ji-In Lee, Jong-Ho Park, Hee-Tae Beum, Kwang-Bok Yi, Chang-Hyun Ko, Sung Youl Park, Yong-taek Lee and Jong-Nam Kim	768
Enorm/Environment	
Energy/Environment Partial Oxidation of Methane for Hydrogen Production over Co and Ni Catalysts	
Sang-Sik Lee, Ju-Hwan Hong, Ho-Jung Ha, Byung-Kwan Kim and Jong-Dae Han	776
Adsorption Analysis of VOCs of Zeolite Synthesized by Coal Fly Ash in a Fixed-bed Adsorber	
Seong-Soo Kim, Chang-Han Lee and Sang-Wook Park	784
A Study on the Cell Structure for Capacitive Deionization System	704
Ju-Young Lee, Seok-Jun Seo, Jung-Woo Park and Seung-Hyeon Moon	791