

## TABLE OF CONTENTS 目 录

### The Relationship between Coking Reactivity with Super Critical Extraction Subfractions (渣油超临界萃取窄馏分与其焦化性能的关系)

X. W. SUN, X. Y. GUO, P. LI, H. ZENG, H. HUANG.....65

### Determination of Residual Organic Solvents in Bumetanide by Headspace Gas Chromatography (顶空气相色谱法测定布美他尼原料药中残留有机溶剂)

Z. R. GAN, J. H. QIN, X. Z. FENG.....77

### Catalytic Cracking of Residua Super-Critical Fluid Extraction Fractions (渣油超临界萃取窄馏分的催化裂化反应)

X. W. SUN, X. G. PEI, Y. ZHAO, P. LI, H. ZENG, H. HUANG.....83

### Iron Poisoning of FCC Catalyst and Its Countermeasures (FCC 催化剂铁中毒现象及应对措施)

C. G. SI.....93

### Analysis of Thermal Performance of 18650 Li-Ion Battery Based on an Electrochemical-Thermal Coupling Model (基于电化学-热耦合模型分析 18650 型锂离子电池的热性能)

J. CHEN, J. Q. KANG, Z. X. TAN.....97

### Synthesis of 1-(3-Diethylaminophenoxy)-2-Propanol Catalyzed by MgO-Al<sub>2</sub>O<sub>3</sub> Composite Oxides (MgO-Al<sub>2</sub>O<sub>3</sub> 复合氧化物催化合成 1-(3-二乙氨基苯氧基)-2-丙醇)

X. YANG, H. Q. LI, H. FAN.....108

### Study on Preparation of N,N-Dimethylaniline by Continuous Tube Reaction and Simulation of Refining (连续管式反应合成 N,N-二甲基苯胺及其精制模拟研究)

Z. S. WANG, Z. G. GU, X. HUANG, K. J. WANG.....118

### Remediation of Soil Contaminated with Heavy Metals by Using Nanomaterials (纳米材料在土壤重金属污染处理中的应用)

W. L. ZHANG, H. Y. JIANG, X. X. ZENG, J. X. TANG.....127

### Study on SEI Reaction of Lithium-Ion Batteries Based on the Electrochemical Degradation Model (基于电化学衰退模型研究锂离子电池 SEI 反应)

X. WANG, J. Q. KANG, Z. X. TAN.....137