

TABLE OF CONTENTS

目 录

Progress in Ultrabattery and Design

(超级电池的设计及研究进展)

D. WANG, Y. M. WU, X. T. DONG, L. M. WANG, S. GAO.....7

Establishing an Apatite Supramolecular Model with Fourier Transform Infrared Spectroscopy Assay

(运用红外线分析构建磷灰石超分子模型)

M.-H. WU, M.-H. WU, C.-C. WU, S.-M. MAO.....13

Removal of Quinoline-Insolubles (QI) in Coal Tar Pitch by Gas Cyclones and Swirl Tubes

(煤沥青中喹啉不溶物(QI)的旋风分离)

B. TANG, W. F. XI, L. CHEN, H. H. HU, Y. X. LIANG.....17

Research on Ultrasound-Assisted Extraction of Water Soluble Dietary Fiber from Bayberry Pomace

(超声辅助提取杨梅渣膳食纤维工艺研究)

J. H. YANG, L. X. ZHOU, X. X. HAN, Q. CHEN.....23

Optimization of Process Variables in the Synthesis of Octyl Acetate by Response Surface Methodology

(响应面分析法优化乙酸正辛酯制备工艺研究)

Y. F. HE, X. X. HAN, L. X. ZHOU, Q. CHEN, J. H. YANG.....29

Thermal Pyrolysis Kinetics of Lignitic Coal in Methane Atmosphere

(甲烷气氛下褐煤热解动力学研究)

J. Q. CAI, J. Z. QIAO.....37

Electrodeposition of Hydroxyapatite Coating on Magnesium Alloy for Biomaterial Application

(医用镁合金表面电沉积制备羟基磷灰石涂层)

Z. D. PENG, Y. J. YI, Y. B. CAO, K. DU, G. R. HU.....42

Catalytic Performances of Dimethyl Ether to Olefins over SAPO-18 Molecular Sieves

(SAPO-18 分子筛上二甲醚制低碳烯烃的催化性能研究)

S. H. XU, A. Y. SU, Z. L. XU, C. G. GUO, X. L. ZHANG, Q. F. LI, J. Q. YU.....48

3D Pharmacophore Model Construction of DPP-IV Inhibitors

(DPP-IV 抑制剂三维药效团模型构建)

T. J. HAN, Y. Q. LI, J. F. GU, Z. CAO, W. J. ZHAO, X. C. WANG.....53