

TABLE OF CONTENTS

目 录

**Cause Analysis and Leakage Detection Scheme of Oil-and-Gas Exchange System
(油气换热系统泄露原因分析及检漏方案)**

Y. ZHANG, Y. Z. GUO, G. AN, Y. Q. SHI.....429

**New Progress and Future Development of Chiral Drug Resolution
(手性药物拆分的新进展及未来发展方向)**

S. ZHENG, S. M. WANG, X. M. LIAO, D. S. YANG, C. G. FU, K. QIAN.....435

**Experimental Study on LiMn₂O₄ Coatin
(锰酸锂包覆试验研究)**

G. K. DENG, H. C. LI, Y. Q. YANG, L. L. SITU, L. P. HUANG.....444

**Crystal Syntheses and Structures of Ag⁺ Complex with 2,4-Dichlorobenzoic Acid
and 4,4'-Bipyridyl Ligands**

(2,4-二氯苯甲酸和 4,4'-联吡啶与 Ag⁺的单晶合成和结构)

C. Q. ZHANG, S. N. LUO, X. M. HAO, C. S. GU, Z. X. ZHANG, Y. LI.....456

**Synthesis and Characterization of Mn²⁺ Complex with 1,3-Bis(4-Pyridyl)Propane
Ligands**

(1,3-双(4-吡啶基)丙烷与 Mn²⁺的配合物的合成和表征)

S. N. LUO, C. Q. ZHANG, X. M. HAO, C. S. GU, Z. X. ZHANG, Y. LI.....463

**Effect of Doped Aluminum Spheres on the Performance of Molecular Sieves
Cryosorption of N₂/D₂ Gas Mixture**

(掺杂铝球对分子筛低温吸附 N₂/D₂ 混气的性能影响)

Y. F. LI, F. YANG, Z. P. ZHOU.....470

**Determination of U, Th, K and Pb Concentrations in Soil and Sediment
(土壤和沉积物中铀、钍、钾、铅含量的测定)**

S. F. WANG, J. H. GUO.....477

**Analysis and Suggestion of Roof Plate Tearing of a High Temperature Oil Tank
(高温热油罐罐顶失效撕裂原因分析及建议)**

R. Q. LAO.....481

**Preparation of AA-AMPS/HA/MMT Composite Water Absorbent Resin by Inverse
Suspension Polymerization and Its Properties**

(反相悬浮聚合法制备 AA-AMPS/HA/MMT 复合吸水树脂及其性能的研究)

L. GE, W. TONG.....489

**Study on the Extraction of Rosemary Volatile Oil by Enzyme-Assisted Steam Distillation
(酶辅助水蒸气蒸馏提取迷迭香精油工艺的研究)**

N. LIU, D. Y. YUAN, X. L. CHEN, H. J. LI, X. W. YANG, H. J. SUN.....497

**Study on the Catalytic Combustion of Styrene with $\text{LaMn}_{1-y}\text{Cu}_y\text{O}_3$ Catalyst
($\text{LaMn}_{1-y}\text{Cu}_y\text{O}_3$ 催化剂对苯乙烯催化燃烧的性能研究)**

S. XIN, G. XIAO, R. J. ZHANG.....503

NO_2 Adsorption on the Intrinsic and Doped LaFeO_3 (010) Surface

(NO_2 在本征及改性的 LaFeO_3 (010) 表面的吸附研究)

H. WANG, S. XIN, R. J. ZHANG.....511