

分子催化
JOURNAL OF MOLECULAR CATALYSIS (CHINA)
(FENZI CUIHUA)

第 22 卷 第 1 期 (2008 年 2 月)

目 次

研究快报

- 聚乙烯醇担载离子液体薄膜的制备、表征及其模拟汽油脱硫性能的初步研究 朱来英, 张庆华, 张世国, 石 峰, 邓友全 (1)

研究论文

- Rh-Mn-Li/SiO₂ 催化剂的吸附量热和红外研究 江大好, 丁云杰, 李 林, 陈维苗, 罗洪原, 张 涛 (5)
介孔 Ru-PPh₃-KIT-6 催化剂应用于水相中烯丙醇异构化的研究 张 眇, 李和兴 (11)
USY 分子筛催化 FCC 汽油的烷基化脱硫反应研究 赵玉芝, 李永红, 李兰芳, 张丽萍 (17)
SAPO-34 分子筛催化丁烯转化制丙烯的研究 黄志永, 柯 丽, 冯 静, 刘学武, 张明森 (22)
用于部分氧化甲烷制合成气的铈基氧载体性能表征 魏永刚, 王 华, 刘明春, 张翅远, 李孔斋 (27)
Pd/Al₂O₃ 催化剂催化毛竹与聚乙烯共裂解反应研究 曾 琪, 李桂英, 童冬梅, 胡常伟 (33)
磷钨酸镧催化合成功缩醛(酮)的研究 许招会, 廖维林, 王 哒 (39)
硼铝磷酸盐分子筛(BAPO-11)的合成与表征 李 征, 冯利利, 齐兴义, 朱岳麟 (44)
干胶转化法合成条件及磷酸处理对 TS-1 分子筛性能的影响 徐 莉, 柯学斌, 曾昌凤, 张利雄, 徐南平 (48)
超临界乙醇干燥法制备高热稳定性 Fe-TiO₂ 卢晗锋, 周 瑛, 徐柏庆, 陈银飞, 刘化章 (54)
Taguchi 设计法铈锆固溶体的优化合成 吴韶亮, 刘欣梅, 阎子峰 (61)
尖晶石型 (Zn_{1-x}Cdx)₂SnO₄ 粉体的制备与光催化性能 郑秀君, 李锦州, 李 刚, 杜晓燕 (65)
γ-Al₂O₃ 表面 Co 物种状态对苯催化燃烧性能的影响研究 李志鲲, 吕功煊, 陈建平, 杨宝军, 焦天恕, 靳志良, 邹利鹏 (70)

研究简报

- 甲醇在 SnO₂ (110) 表面的吸附与解离的理论研究 陈文凯, 刘书红, 陆春海 (75)

进展与评述

- 黑曲霉催化烯烃的不对称双羟基化反应的机理和应用 张子张 (80)
酶的固定化及其应用 李 畔 (86)

CONTENTS

Letter

- Preliminary Exploration of Polyvinyl Alcohol/Ionic Liquids Hybrid Membrane in Desulfurization of Model Gasoline
..... ZHU Lai-ying, ZHANG Qing-hua, ZHANG Shi-guo, SHI Feng, DENG You-quan (1)

Articles

- Studies of Highly Efficient Rh-Mn-Li/SiO₂ Catalyst by Microcalorimetry and FT-IR
..... JIANG Da-hao, DING Yun-jie, LI Lin, CHEN Wei-miao, LUO Hong-yuan, ZHANG Tao (5)
- Study on the Mesoporous Ru-PPh₃-KIT-6 as a Catalyst Used in Water-medium Isomerization of Homoallylic Alcohol
..... ZHANG Fang , LI He-xing (11)
- The Study on Alkylation Reaction of Thiophenic Compounds for Desulfurization of FCC Naphtha over USY Zeolite Catalysts
..... ZHAO Yu-zhi, LI Yong-hong, LI Lan-fang, ZHANG Li-ping (17)
- Study on Conversion of Butylenes to Propylene over SAPO-34 Molecular Sieve
..... HUANG Zhi-yong, KE Li, FENG Jing, LIU Xue-wu, ZHANG Ming-sen (22)
- Characterizations of Ceria-Based Oxygen Carriers for Partial Oxidation Methane to Syngas
..... WEI Yong-gang, WANG Hua, LIU Ming-chun, ZHANG Chi-yuan, LI Kong-zhai (27)
- Pd/Al₂O₃ Catalysts Catalyzed Co-pyrolysis of Pubescens and Polyethylene
..... ZENG Qi, LI Gui-ying, TONG Dong-meい, HU Chang-wei (33)
- Synthesis of Acetals and Ketal Catalyzed by LaPW₁₂O₄₀
..... XU Zhao-hui, LIAO Wei-lin, WANG Sheng (39)
- Synthesis and Characterization of a New Kind of Boron Aluminophosphate Molecular Sieves
..... LI Zheng, FENG Li-li, QI Xing-yi, ZHU Yue-lin (44)
- Effect of the Dry Gel Conversion Synthesis Conditions and Post Treatment with Phosphate Acid on the Synthesis of TS - 1 and Its
Properties
..... XU Li, KE Xue-bin, ZENG Chang-feng, ZHANG Li-xiong, XU Nan-ping (48)
- The Fe-TiO₂ with High Thermal Stability Prepared by Supercritical Ethanol Drying
..... LU Han-feng, ZHOU Ying, XU Bo-qing, CHEN Yin-fei, LIU Hua-zhang (54)
- The Synthesis of Ceria-Zirconia Solid Solution Optimized by Taguchi Design Method
..... WU Shao-liang, LIU Xin-mei, YAN Zi-feng (61)
- Preparation and Photocatalytic Performance of Spinel Type (Zn_{1-x}Cdx)₂SnO₄ Powders
..... ZHENG Xiu-jun, LI Jin-zhou, LI Gang, DU Xiao-yan (65)
- Study of States of Co Species on γ-Al₂O₃ and Activities for Catalytic Combustion of Benzene
..... LI Zhi-kun, LU Gong-xuan, CHEN Jian-ping, YANG Bao-jun, JIAO Tian-shu, JIN Zhi-liang, ZOU Li-peng (70)

Research notes

- A Theoretical Study on the Adsorption and Decomposition of Methanol over SnO₂(110) Surface
..... CHEN Wen-kai , LIU Shu-hong, LU Chun-hai (75)

Review and Progress

- Mechanism and Application of Asymmetric Dihydroxylation of Olefins Catalyzed by Aspergillus Niger
..... ZHANG Zi-zhang (80)
- Enzymes Immobilization and Their Applications
..... LI Ye (86)

编辑部(Editorial Office of Journal of Molecular Catalysis(China))

成员(Editorial Office Staff)

薛兰英(XUE Lanying) 邱凤炎(QIU Fengyan) 阎峰(YAN Feng)