

月刊 08/2010(总第 179 期)

主管单位:黑龙江省石化行业协会
主办单位:黑龙江省化工研究院

刊 号:ISSN 1002-1124
CN23-1171/TQ

编辑出版:《化学工程师》编辑部
主 编:尚 影
编 辑:蔡 翊 周传雷
地 址:哈尔滨市香坊区
衡山路 18 号

邮政编码:150090
电 话:0451-82320208
13644614217
网 址:hxgcs.periodicals.net.cn
hxgcs@yahoo.com.cn

印 刷:黑龙江艺德印刷
有限公司

国内发行:哈尔滨市邮政局
代 号:14-165
国外总发行:中国国际图书贸易总公司
(北京 399 信箱)

国外代号:BM6614
订 阅:全国各地邮局或编辑部
出版日期:2010 年 8 月 25 日

定 价:10.00 元
全年定价:120.00
广告经营许可证号:2301004020020

Publisher: The Chemical Industry and
Engineering Institute of
Heilongjiang Province

Editor: Editorial Office of
CHEMICAL ENGINEER

Editor-in-Chief: SHANG Ying

Address: 18 Hengshan Road, Harbin,
P.R.China

Post code: 150090

Distributed: China International Book
Trading Corporation
(P.O.Box 399 Beijing), China

E-mail: hxgcs@yahoo.com.cn

科研与开发

Mannich 反应制备壬基酚改性胺固化剂*

鹿桂芳, 丁颜滨, 李佩瑾, 杨秀春, 彭丽, 崔德生, 李东平(01)
不同方法制备的碳载 Pt-TiO₂ 催化剂对甲醇的电催化氧化*

赵洪波(04)
氯代甲氧基脂肪酸甲酯制备及应用研究 刘莹, 孙国强, 王正平(07)
碳载体的碱处理对 Pd/C 催化剂电催化活性的影响

许伟锋, 刘宇, 刘先军, 高颖, 邬冰(10)
高分子聚合物的拉伸性能研究 王颖(13)

继续教育

薄层稠油油藏 SAGD 物理模拟研究 刘宝良(15)

分析测试
粘度法测定药用聚乙二醇分子量的不确定度评定* 王丽梅(18)
火焰光度法测定冬枣叶茶中的钾 肖忠峰, 赵西海(21)
紫丁香鲜花挥发性成分的 HS-SPME-GC/MS 分析 曹敏, 王建刚(23)

综述

高分子量聚丙烯酰胺的合成与应用进展 刘建平, 王雪芳, 杨小敏(26)
 α -烯烃在合成润滑油领域的应用

郭峰, 李传峰, 刘经伟, 陈韶辉, 杨爱武(29)
苯酚制备工艺研究进展 李红艳, 闫翠红, 蔡清海, 路嫔(34)
乳液聚合方法研究进展 刘宇(38)
碳纤维产业现状及发展前景 周传雷, 艾辉, 闫永君(42)

环境工程

光触媒治理室内空气污染的实验研究 齐峰, 李福林(44)

生产与技术改造

精制丙烯中 CO 与 CO₂ 含量高的原因分析及调整措施 刘忠华(47)
预硫化催化剂钝化研究 王德辉, 宋红艳(49)

工程师园地

微波辅助提取党参皂甙工艺研究 王玉芝, 鞠福龙, 周芳(52)
阳离子纤维素醚的合成及流变性能研究 梁亚琴(58)
贫煤气废气的综合利用 周永涛, 李旭光(61)
新型脱氯剂在半再生重整装置上的工业应用 孟凯军(63)
液相法合成水玻璃影响因素研究
高建阳, 祝凤美, 姚毅, 王国昌, 邹继承(65)
改性环氧树脂灌封胶的制备 刘晓冬(68)

CHEMICAL ENGINEER

Monthly

8/2010(SUM No.179)

SCIENTIFIC RESEACH AND DEVELOPMENT

- Nonylphenol modified amine as curing agent is prepared by Mannich reaction* LU Gui-fang, DING Yan-bing, LI Pei-jin, YANG Xiu-chun, PENG Li, CUI De-sheng, LI Dong-ping (01)
Electro-oxidation of methanol on carbon supported Pt-TiO₂ catalysts prepared by colloid method* ZHAO Hong-bo (04)
Study on preparation of chloro-methoxy fat acid methyl ester LIU Ying, SUN Guo-qiang, WANG Zheng-ping (07)
Effect on Pd/C electrocatalytic activities by alkali -treatment of carbon support XU Wei-feng, LIU Yu, LIU Xian-jun, GAO Ying, WU Bing (10)
Effect factors of outside force velocity on the tensile property of polymer WANG Ying (13)

CONTIN ING EDUCATION

- Study on SAGD physical simulation of thickened oil in thin bed LIU Bao-liang (15)

ANALYSIS AND DETERMINATION

- Uncertainty evaluation of the relative molecular weight of officinal polyethylene glycol by viscosimetry* WANG Li-mei (18)
Determination of content of potassium in 'Dongzao' jujube-leaf tea by flame photometry XIAO Zhong-feng, ZHAO Xi-mei (21)
Analysis of volatile constituents from the fresh flowers of syringa oblata Lindl. by headspace solid-phase micro extraction
and gas chromatography-mass spectrometry CAO Min, WANG Jian-gang (23)

SUMMARY

- Progress of synthesis and application of high molecular weight polyacrylamide* LIU Jian-ping, WANG Xue-fang, YANG Xiao-min (26)
Application of α -olefins in the field of synthetic lubricant GUO Feng, LI Chuan-feng, LIU Jing-wei, CHEN Shao-hui, YANG Ai-wu (29)
Progress in preparation of phenol LI Hong-yan, YAN Cui-hong, CAI Qing-hai, LU Pin (34)
Development of emulsion polymerization LIU Yu (38)
Industrial status of carbon fiber ZHOU Chuan-lei, AI Hui, YAN Yong-jun (42)

ENVIRONMENTAL ENGINEERING

- Experiment research on curbing indoor pollution by photocatalyst QI Feng, LI Fu-lin (44)

ENVIRNMENTAL ENGINEERING

- Causal analysis and adjustment measures of overttop of CO and CO₂ content in refining propylene LIU Zhong-hua(47)
Development of passivation process for presulf ided hydrogenation catalysts WANG De-hui, SONG Hong-yan (49)

ENGINEER FIELD

- Study on abstraction of saponin from pilosula by microwave WANG Yu-zhi, JU Fu-long, ZHOU Fang (52)
Synthesis and rheology properties of cationic hydroxyethylcellulose LIANG Ya-qin (58)
Complex utilization of poor gas ZHOU Yong-tao, LI Xu-guang (61)
Industrial application of new type of antichlor in half regeneration reforming unit MENG Kai-jun (63)
Study on influence factors of synthesis of sodium silicate by liquid phase method
..... GAO Jian-yang, ZHU Feng-me, YAO Yi, WANG Guo-chang, ZOU Ji-cheng (65)
Preparation of modification of casting epoxy resin compound LIU Xiao-dong (68)