

# 化学研究与应用

## 2010年(第22卷)第8期

### 目次

#### 评论与综述

时间分辨发射光谱的应用研究进展 ..... 胡丽华,周弟,朱健,黄志斌 (969)

#### 研究论文

纳米 MCM-41 组装 DBC-偶氮胂的研究 ..... 刘磊,于辉,翟庆洲 (975)

UPLC 研究塑料食品包装材料中的抗氧化剂及其迁移 ..... 李小梅,宋欢,林勤保,王天骄 (980)

碱式碳酸钴的水热合成及其结构表征 ..... 谢莉婧,金小青,付国瑞,张子瑜,杨玉英,胡中爱 (985)

GRS 大红和弱酸红 R 混合液的光催化降解模拟研究 ..... 陶红艳,张运陶 (989)

二茂铁基亮氨酸锌配合物的晶体结构与性质 ..... 徐虹,张宇虹,常玉珊,谢少沛,侯红卫 (995)

聚去氢枞酸丙烯酸乙二醇酯的合成与表征 ..... 李光华,赵治巨,覃柳妹,段文贵 (999)

胺化 XAD-4 螯合树脂的合成及其对  $\text{Cu}^{2+}$  的吸附 ..... 周贇,晏欣,李红霞 (1004)

改型凹凸棒土对磷酸根吸附性能的研究 ..... 仇立干,王茂元 (1009)

P(NIPA-co-NVP) 温敏性凝胶微粒的药物释放与降解 ..... 徐建,张睿,何江川 (1015)

间氨基酚修饰超高交联吸附树脂的合成及吸附性能 ..... 唐树和,费正皓,陈建 (1021)

缩氨基硫脲受体的合成及阴离子识别规律研究 ..... 徐维霞,马占营,范广,邓玲娟,张有明,魏太保 (1027)

$\text{AuCl}_3$  催化 2-丙炔基-苯胺和丙炔反应机理的研究 ..... 朱元强,段文猛,尹忠,郭勇 (1032)

阳离子树脂催化合成古龙酸甲酯的动力学研究 ..... 王宏民,宋海英,章志峰,王乐,张会轻,柴利峰,张鑫鑫,赵元芬 (1037)

多硫电解质对 CdS 薄膜电池光电性能影响研究 ..... 李陈欢,肖丹 (1042)

#### 研究简报

肝苏颗粒中芦丁和槲皮素含量的测定 ..... 刘家琴,徐志宏,荣丽,蒋珍菊,岳松,张燕 (1046)

手性流动相添加剂法拆分盐酸氯丙那林对映体 ..... 王立艳,苏立强,张磊 (1050)

(5S,6R)-2-(4-甲基)苯基-6-[(1R)-叔丁基二甲基硅氧乙基]-青霉烯-3-羧酸乙酯的合成研究 ..... 杨静,章文军,郭磊 (1054)

部分甲基化-苄基化- $\beta$ -环糊精合成及结构鉴定 ..... 赵瑜藏,甘永江,李清霞,张运申 (1058)

离子液体[bmim][dca]的微波辅助合成及其对几种糖的溶解性能 ..... 黄娟,段文贵,许雪棠,韦瑞松 (1061)

含 1,3,4-噁二唑的葡萄糖苷衍生物的合成及抑菌活性 ..... 晁淑军,李向荣,王诗文 (1066)

红树秋茄色素在催化光度法中的应用研究 ..... 范润珍,宋文东 (1072)

(S)-布林佐胺的合成及 HPLC 分析 ..... 张明道,贾海浪,江荣英,方志杰 (1075)

管状  $\text{AgNO}_3$ -Tu 配合物的制备 ..... 舒茜,刘云花,毛建霏,袁红雁 (1079)

#### 新技术与应用

大孔 PNaA 树脂对黄连素的吸附性能研究 ..... 肖谷清,龙立平,王姣亮,陈莉 (1082)

铂膜电极伏安法测定硫酸软骨素 ..... 杜美菊,张传杰 (1088)

[2+2]型苯并咪唑环番的一锅法合成 ..... 王新龙,伍爱明,肖蓉 (1091)

聚天冬氨酸在制糖中的阻垢性能研究 ..... 陈春明 (1094)

中文目次(封2) 英文目次(封3)

期刊基本参数:CN 51-1378/O6 \* 1989 \* b \* 16 \* 128 \* zh + en \* P \* ¥8.00 \* 28 \* 2010-08

# CHEMICAL RESEARCH AND APPLICATION

Vol. 22 NO. 8 Aug., 2010 Monthly

## Contents

### Reviews and Summary Accounts

Recent progress in application of time-resolved emission spectroscopy ..... HU Li-hua, ZHOU Di, ZHU Jian, HUANG Zhi-bin (969)

### Academic Papers

A study on the encapsulation of DBC-arsenazo by nanoscale MCM-41 ..... LIU Lei, YU Hui, ZHAI Qing-zhou (975)

Determination of the antioxidants content and migration level into fatty food simulant from commercial food packages by UPLC  
..... LI Xiao-Mei, SONG Huan, LIN Qin-Bao, WANG Tian-Jiao (980)

Shape-controlled synthesis and structural characterization of cobalt basic carbonate by hydrothermal method  
..... XIE Li-jing, JIN Xiao-qing, FU Guo-ru, ZHANG Zi-yi, YANG Yu-ying, HU Zhong-ai (985)

A simulating study of photocatalytic degradation of the intermixture of GRS big red and weak acid red R  
..... TAO Hong-yan, ZHANG Yun-tao (989)

Crystal and properties of a zinc ferrocenyl leucine complex  
..... XU Hong, ZHANG Yu-hong, CHANG Yu-shan, XIE Shao-pei, HOU Hong-wei (995)

Synthesis and characterization of poly(dehydroabiatic acid acrylic glycol ester)  
..... LI Guang-hua, ZHAO Zhi-ju, QIN Liu-mei, DUAN Wen-gui (999)

Synthesis of aminated XAD-4 chelating resins and their adsorption towards cupric ion ..... ZHOU Yun, YAN Xin, LI Hong-xia (1004)

Study on the adsorption of the modified attapulgite for phosphate ..... Qiu Li-gan, Wang Mao-yuan (1009)

Drug releasing and degradability of thermo-sensitive micro-spheres of poly(*N*-isopropylacrylamide-co-*N*-vinyl-2-pyrrolidone) hydrogel  
..... XU Jian, ZHANG Rui, HE Jiang-chuan (1015)

Synthesis and adsorption characteristics of hypercrosslinked polymeric adsorption resin modified by *m*-aminophenol  
..... TANG Shu-he, FEI Zheng-hao, CHEN Jian (1021)

Synthesis of thiosemicarbazone receptors and their anion recognition orderliness  
..... XU Wei-xia, MA Zhan-ying, FAN Guang, DENG Ling-juan, ZHANG You-ming, WEI Tai-bao (1027)

A theoretical investigation on the mechanism of 2-propynyl-aniline and propyne catalyzed by AuCl<sub>3</sub>  
..... ZHU Yuan-qiang, DUAN Wen-meng, YIN Zhong, GUO Yong (1032)

Kinetics study on the catalytic esterification of synthesis of methyl 2-keto-L-gulonate with cation-exchange resin  
..... WANG Hong-min, SONG Hai-ying, ZHANG Zhi-feng, WANG Le, ZHANG Hui-qing, CHAI Li-feng, ZHANG Xin-xin, ZHAO Yuan-fen (1037)

Researches on the polysulfide electrolyte effect for CdS thin film photoelectrochemical cells ..... LI Chen-huan, XIAO Dan (1042)

### Research Notes

Determination of rutin and quercetin in Gansu particle ... LIU Jia-qin, XU Zhi-hong, RONG -li, JIANG Zhen-ju, YUE Song, ZHANG Yan (1046)

Chiral separation of clorprenaline hydrochloride enantiomers using chiral mobile phase additive  
..... WANG Li-yan, SU Li-qiang, ZHANG Lei (1050)

Synthesis of ethyl(5*S*,6*R*)-2-(4-methylphenyl)-6-[(1*R*)-tert-butyltrimethylsilyloxyethyl]-penem-3-carboxylate  
..... YANG Jing, ZHANG Wen-jun, GUO Lei (1054)

Synthesis and structural determination of partial methyl-benzyl-β-cyclodextrin  
..... ZHAO Yu-cang, GAN, Yong-jiang, LI Qing-xia, ZHANG Yun-shen (1058)

Microwave-assisted synthesis of functional ionic liquid [bmim][dca] and its solubility for some carbohydrates  
..... HUANG Mei, DUAN Wen-gui, XU Xue-tang, WEI Rui-song (1061)

Synthesis and antibacterial activities of glucoside derivatives bearing 1,3,4-oxadiazole ... CHAO Shu-jun, LI Xiang-rong, WANG Shi-wen (1066)

Studied on the application of *Kandelia Candel* pigment in the catalytic spectrophotometry ..... FAN Run-zhen, SONG Wen-dong (1072)

Synthesis and HPLC analysis of brinzolamide (*S*)-isomer ..... ZHANG Ming-dao, JIA Hai-lang, JIANG Rong-ying, FANG Zhi-jie (1075)

Synthesis of tubular AgNO<sub>3</sub>-Tu complex ..... SHU Qian, LIU Yun-hua, MAO Jian-feng, YUAN Hong-yan (1079)

### New Techniques and Application

Study on the adsorption performances for berberine onto the macroporous PNaA resin  
..... XIAO Gu-qing, LONG Li-ping, WANG Jiao-liang, CHEN li (1082)

Determination of chondroitin sulfate using bismuth-film electrode by voltammetry ..... DU Mei-ju, ZHANG Chuan-jie (1088)

One-pot synthesis of benzimidazole cyclophane in [2+2] structure ..... WANG Xin-long, WU Ai-ming, XIAO Rong (1091)

Study on the scale inhibition properties of green polymer polyaspartic acid in sugar manufacture ..... CHEN Chun-ming (1094)