

- 化学类中文核心期刊
- 中国科学引文数据库统计源刊
- 中国学术期刊综合评价数据库统计源刊
- 中国期刊全文数据库全文收录期刊
- 中国科技论文统计源刊(中国科技核心期刊)

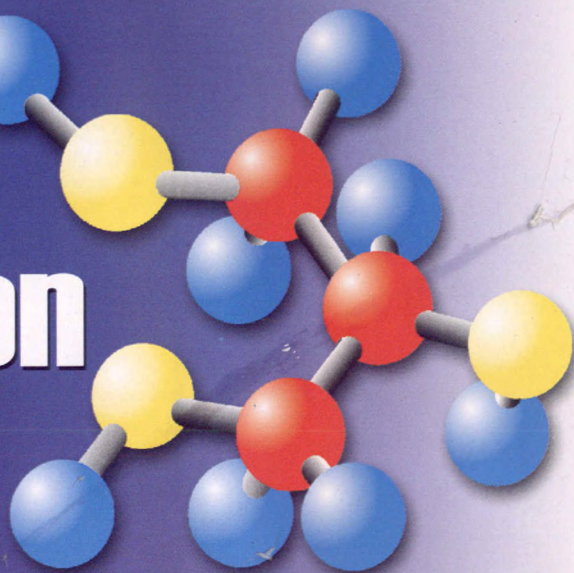
- 美国《化学文摘》(CA)收录期刊
- 《Ulrich Directory》收录期刊
- 《中国化工文摘》收录期刊
- 《中国药学文摘》收录期刊

ISSN 1004-1656 CN 51-1378/O6

化学研究与应用

H U A X U E Y A N J I U Y U Y I N G Y O N G

**Chemical
Research
and
Application**



ISSN 1004-1656



9 771004 165057

万方数据

第24卷
2012

7

化学研究与应用

2012年(第24卷)第7期

目次

评论与综述

- 储氢合金抗气体杂质毒化的研究进展 胡彦泽,但贵萍,杜良,张东,毛本将,孙耀中 (1009)
- 光敏表面活性剂的研究进展及应用前景 何姗姗,田森林,龙坚,杨志,曾俊 (1015)
- 氨基硼烷化合物的合成及应用研究进展 时蕾,刘迎迎,毛润泽,张贵生 (1020)

研究论文

- 含羧基中药成分荧光标记方法的建立及优化 刘春叶,苗延青,卫引茂,杨转转 (1030)
- 高效液相色谱法对赤砂糖水解液中三种物质的分离和测定 刘柳,李果,李利军,孔红星 (1036)
- SrTiO₃的合成及其光催化还原CO₂的性能 尹晓红,董虹志,李会亮,秦士跃,隋丹丹 (1041)
- 吡啶酮类 Schiff 碱及其配合物的合成与抗肿瘤活性研究 钟霞,安平,张俊清,黄剑,陈年根 (1046)
- 超声辅助法研究姜黄素对牛血清白蛋白损伤的影响 方瑞萍,陈宁生,张颖 (1052)
- 一些高哌嗪季铵盐的合成及生物活性研究 农娟,郑志兵,苏桂发,陶杰,覃江克,唐煌,邓业成 (1058)
- 一步电沉积纳米铜/石墨烯/壳聚糖复合膜修饰玻碳电极测定邻苯二酚 韩金土,王兰,宋小进 (1064)
- MoO₃基纳米复合材料的制备及其电化学性能研究 阙庭丽,李娟 (1069)
- 丙烯酸胺基偶氮苯的 RAFT 聚合反应动力学 李光华,王广东,聂良瑞,汪春英,黄义忠,董张法 (1075)

研究简报

- 介孔 SiO₂-TiO₂无机毛细管开管柱的制备及氨基酸混合物的分离 李英杰,高晴,吕仁江,张春雨,李芳 (1083)
- 环氧琥珀酸(盐)测定方法探讨 吴美玲,李霞,吴怀之,秦建光,李森茂 (1087)
- 溶剂热合成片状介孔 CeO₂ 及光致发光性能 吕仁江,侯学功,李英杰,邓磊,丁会敏,丁爽 (1091)
- 双1,3,4-噻二唑基取代脲的合成及其生物活性研究 曹宇 (1095)
- 氘代 DMSO 试剂中残留 H 的检测 杨琪,马晓敏,邓鹏翅 (1099)
- L-精氨酸铜配合物的磁性、铁电与热重研究 赵芳华,金轶,车云霞,郑吉民 (1102)
- 基于改进 Alopex 算法的烷基化生产过程的优化 闫生辉,张玉婷,李道军,卢青波 (1106)
- 聚酰亚胺/SiO₂ 杂化材料固相萃取涂层的制备及其应用 申书昌,辛建桥,江艳,苏源 (1112)
- 氟代苯二酚双苯醚的合成与抗菌活性研究 辛莹,王玉良,杨志荣,侯若彤,罗娟 (1117)
- 不同茯苓化学成分的研究 李羿,杨胜,杨万清,李晨 (1121)
- 氮杂冠醚取代单 Schiff 碱过渡金属配合物催化氧化对二甲苯研究 王涛,李建章,魏磊,胡伟,程杰,向珍 (1125)
- 磷铁粉替代环氧富锌底漆中部分锌粉的耐腐蚀性能影响研究 官青松,刘玉明 (1130)
- 新型苯并咪唑衍生物的合成及生物活性研究 张涛,王宁宇,夏勇,马丽芳,余洛汀 (1136)
- 8-羟基喹啉-7-醛缩氨基硫脲衍生物的微波合成及抗肿瘤活性研究 时蕾,刘艳春,王振平,张贵生 (1141)
- 手性氨基醇衍生物催化苯基锂与亚胺的不对称加成反应研究 王旭,张爱琴,陈学明,黄玲,黎星术 (1147)
- 氟卞酸可见分光光度法快速测定酮康唑 黄艳丽 (1152)
- 牛血清蛋白催化 Michael-Aldol 串联反应的研究 王早,刘晨江,王吉德,王娜 (1155)

新技术与应用

- 氨基酸自动分析仪快速分析方法的研究 姜涛,冯永建,何学超,胡建蓉,唐坤,李辉章,刘云花,盛强 (1159)
- PEG-400 中一锅法合成 4H-吡喃衍生物 巩海鹏,王喜存,叶鹤琳 (1164)

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 * 160 * zh+en * P * ¥10.00 * 1250 * 31 * 2012-07

CHEMICAL RESEARCH AND APPLICATION

Vol. 24 NO.7 July.2012 Monthly

Contents

Reviews and Summary Accounts

- Advances in the research of hydriding alloys resistance to gaseous impurities *HU Yan-ze, DAN Gui-pin, DU Liang, ZHANG Dong, MAO Ben-jiang, SUN Yao-zhong* (1009)
- Research development and application prospect of photoresponsive surfactant *HE Shan-shan, TIAN Sen-lin, LONG Jian, YANG Zhi, ZENG Jun* (1015)
- Review on synthesis and applications of the amine-boranes *SHI Lei, LIU Ying-ying, MAO Run-ze, ZHANG Gui-sheng* (1020)

Academic Papers

- Establish and optimization of fluorescent labeling of carboxylfractions in Chinese medicine *LIU Chun-ye, MIAO Yan-qing, WEI Yin-mao, YANG Zhuan-zhuan* (1030)
- Separation and determination of three components in the hydrolysate of brown sugar by HPLC *LIU Liu, LI Guo, LI Li-jun, KONG Hong-xin* (1036)
- Synthesis of SrTiO₃ and its performance in photocatalytic reduction of CO₂ *YIN Xiao-hong, DONG Hong-zhi, LI Hui-liang, QIN Shi-yue, SUI Dan-dan* (1041)
- Synthesis and study on antitumor activities of indolinedione Schiff bases and their complexes *ZHONG Xia, AN Ping, ZHANG Jun-qing, HUANG Jian, CHEN Nian-gen* (1046)
- Study on assisted damage of bovine serum albumin by curcumin under ultrasonic irradiation *FANG Rui-ping, CHEN Ning-sheng, ZHANG Ying* (1052)
- Synthesis and biological activities of some homopiperazine quaternary ammonium *NONG Juan, ZHENG Zhi-bing, SU Gui-fa, TAO Jie, QIN Jiang-ke, TANG Huang, DENG Ye-cheng* (1058)
- Fabrication of nano-copper/graphene/chitosan composite film modified glassy carbon electrode by one-step electrodeposition and its sensitive detection of catechol *HAN Jun-tu, WANG Lan, SONG Xiao-jin* (1064)
- Studies of the preparation of nanocomposites based on MoO₃ and its electrochemical performance *QUE Ting-li, LI Juan* (1069)
- RAFT polymerization kinetics of acrylamide-azobenzene *LI Guang-hua, WANG Guang-dong, NIE Liang-rui, WANG Chun-ying, HUANG Yi-zhong, TONG Zhang-fa* (1075)

Research Notes

- Preparation of SiO₂-TiO₂ mesoporous inorganic hybrid capillary open tubular column and the separation for amino acid mixtures *LI Ying-jie, GAO Qing, LV Ren-jiang, ZHANG Chun-yu, LI Fang* (1083)
- Determination of epoxysuccinic acid (salt) *WU Mei-ling, LI Xia, WU Huai-zhi, QIN Jian-guang, LI Sen-mao* (1087)
- Synthesis and photoluminescence property of sheet-shape mesoporous CeO₂ by the solvothermal method *LV Ren-jiang, HOU Xue-gong, LI Ying-jie, DENG Lei, DING Hui-min, DING Shuang* (1091)
- Synthesis and biological activity of bis-thiadiazolo-2-yl-ureas *CAO Yu* (1095)
- Determination of residue H in DMSO-d₆ *YANG Qi, MA Xiao-min, DENG Peng-chi* (1099)
- Magnetic, ferroelectric and thermal properties of copper-L-arginine complex *ZHAO Fang-hua, JIN Yi, CHE Yun-xia, ZHENG Ji-min* (1102)
- Optimizing the production process of alkylation based on modified alopeX algorithm *YAN Sheng-hui, ZHANG Yu-ting, LI Dao-jun, LU Qing-bo* (1106)
- Preparation and application of polyimide/silica hybrid coating for solid phase microextraction *SHEN Shu-chang, XIN Jian-jiao, JIANG Yan, SU Yuan* (1112)
- Synthesis and antimicrobial activity of chlorinated benzenediol diphenyl ethers *XIN Ying, WANG Yu-liang, YANG Zhi-Rong, HOU Ruo-tong, LUO Juan* (1117)
- Studies on chemical constituents in varied *Porias* *LI Yi, YANG Sheng, YANG Wan-qing, LI Chen* (1121)
- Study on catalytic oxidation for *p*-xylene to *p*-toluic acid by mono-Schiff base complexes with pendant aza-crown ether *WANG Tao, LI Jian-zhang, WEI Lei, HU Wei, CHENG Jie, XIANG Zhen* (1125)
- Study of corrosion resistance performance of epoxy zinc-rich primer in which di-iron phosphide(Fe₂P) replace part of the zinc powder *GUAN Qing-song, LIU Yu-ming* (1130)
- Synthesis and evaluation on biological activity of novel benzimidazole derivatives *ZHANG Tao, WANG Ning-yu, XIA Yong, MA Li-fang, YU Luo-ting* (1136)
- Microwave-enhanced synthesis and antitumor activity of 8-hydroxyquinoline-7-aldehyde thioemcarbazones *SHI Lei, LIU Yan-chun, WANG Zhen-ping, ZHANG Gui-sheng* (1141)
- Ligands derived from β-amino alcohols for asymmetric addition of aryllithium reagents to imines *WANG Xu, ZHANG Ai-qing, CHEN Xue-min, HUANG Ling, LI Xing-shu* (1147)
- Vis-spectrophotometric determination of ketoconazole with chloranilic acid *HUANG Yan-li* (1152)
- BSA-catalyzed Michael-aldol cascade reaction *WANG Zao, LIU Chen-jiang, WANG Ji-de, WANG Na* (1155)

New Techniques and Application

- Research on localized reagent and rapid analysis method of amino acid analyzer *JIANG Tao, FENG Yong-jian, HE Xue-chao, HU Jian-rong, TANG kun, LI Hui-zhang, LIU Yun-hua, SHENG Qiang* (1159)
- One-pot synthesis of 4*H*-pyrans derivatives in PEG-400 *GONG Hai-peng, WANG Xi-cun, YE He-lin* (1164)