

- 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)

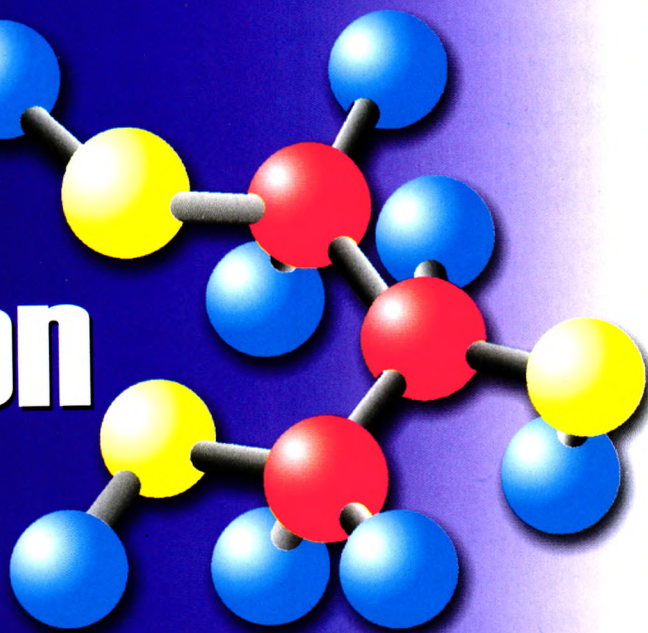
- 美国《化学文摘》(CA)收录期刊
- 《Ulrich Directory》收录期刊
- 《中国化工文摘》收录期刊
- 《中国药学文摘》收录期刊

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



第25卷
2013

5

化学研究与应用

2013年(第25卷)第5期

目次

评论与综述

- 阳离子聚丙烯酰胺的聚合方法研究进展 卢伟,郑怀礼,马江雅,尚娟芳,关庆庆,朱俊任,廖熠 (609)
- 金属-有机框架色谱固定相的研究进展 袁自遵,罗峰,刘建亮,罗明标,李芳清 (614)
- 微波辅助技术在苯并咪唑合成中的应用 孟江平,周成合 (622)

研究论文

- 聚乙二醇-盐双水相系统萃取头孢唑啉的研究 姚誉阳,何华,左朋礼,袁兰兰,谷雨,孙文彬 (630)
- 石榴皮单宁的超声波-半仿生法提取及抗氧化性分析 余先纯,李湘苏,龚铮午 (636)
- 盐酸苯胍与牛血清白蛋白相互作用的研究 付彩霞,王晓艳,高宗华 (642)
- B-降-孕甾化合物的合成及抗肿瘤增殖活性研究 甘春芳,刘志平,韦万兴,黄燕敏,崔建国 (647)
- Fe/Cu-HMS 分子筛选择性催化氧化苯甲醇的研究 乔广伟,徐丹,贾丽华,郭祥峰 (655)
- 连翘鲜果粗酶对连翘酯苷 A 的酶解作用 侯雅楠,许佳,陈廷贵,王晓菊,张立伟 (660)
- 1,4-二巯基苏糖醇对溶菌酶淀粉样纤维化的抑制作用 李杰,曾成鸣 (665)
- 烟草及其主要组分的热分析质谱研究 李晓亮,郑赛晶,王志华,王玉珏 (670)
- 乙腈溶剂中芳酰基硫脲对 F⁻ 识别作用的理论研究 别同玉 (675)
- 多联吡啶 Pt(II)、Pd(II) 配合物的合成及制氢研究 黄素芳,徐全清 (684)
- 全氟壬烯氧基苯磺酸钠与四丁基溴化铵的相互作用 杨百勤,王蕾 (691)
- 磷钨酸/乙炔黑修饰电极上的阿昔洛韦电化学行为及其测定 刘琼燕,何晓英,高渐龙,贾晶 (696)
- Fe³⁺-H₂O₂-钙黄绿素-邻菲罗啉化学发光体系测定左旋多巴分析方法研究
..... 邱霞琳,蔡卓,何晓良,岳伟超,蒋翠文 (701)

研究简报

- 新型交联羧甲基葡甘聚糖凝胶球对尿素的吸附性能 卓莉,王碧,唐艳娟 (706)
- 牛大力总黄酮提取工艺及不同萃取物的抗氧化活性研究
..... 王呈文,纪明慧,舒火明,黄大鹏,高倩,凌昭星,徐志江,陈延召 (713)
- Mn²⁺ 掺杂 ZnSe 量子点的制备及表征 宋连香,刘建刚,胡育 (718)
- 电化学方法去除模拟血液中铅的研究 周鸣,董铁有,程明涛,陈晓娟 (723)
- 螳螂共生真菌 TG-3 生物碱的研究 毕淑峰,乌仁格格,朱艳华,文飞龙 (727)
- 聚苯胺在 PUA 树脂中的原位乳液聚合及表征 尹江,李焰,谭晓明,韩波 (731)
- 原子转移自由基聚合法制备表面聚合物接枝四氧化三铁纳米粒子
..... 夏烈文,吕宝强,刘凡,刘钟燕,李静,罗军 (736)
- 机械化学条件下乙酰乙酸乙酯与查尔酮的 Michael 加成反应 张泽,王春山,吴浩浩,唐亚军 (742)

新技术与应用

- 环介导扩增与石英晶体微天平快速检测核酸 李燕国 (748)
- 吩噻嗪染料亚甲基蓝共振瑞利散射法测利福平 江虹,韦燕娜 (751)
- 利用 SPR 生物传感器检测牛奶中的氨苄青霉素残留 刘瑾,张婉洁,王文,徐可欣 (754)
- 取代吡啶-3-甲醛类化合物的一种高效合成法 郑晶,肖绪枝,肖胜伟,陈河如 (760)
- 高效有机硅消泡剂的研制与应用 黄成,杜正雄,彭敬东,何荣幸 (764)

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 * 29 * 2013-05

CHEMICAL RESEARCH AND APPLICATION

Vol. 25 NO.5 May. 2013 Monthly

Contents

Reviews and Summary Accounts

- Research progress of the preparation methods of cationic polyacrylamide *LU Wei, ZHENG Huai-li, MA Jiang-ya, SHANG Juan-fang, GUAN Qing-qing, ZHU Jun-ren, LIAO Yi* (609)
- Progress in the research of metal-organic framework based stationary phases as chromatographic column *YUAN Zi-zun, LUO Feng, LIU Jian-liang, LUO Ming-biao, LI Fang-qing* (614)
- Application of microwave-assisted technology in synthesis of benzimidazole compounds *MENG Jiang-ping, ZHOU Cheng-he* (622)

Academic Papers

- Study on the extraction of cefuroxime axetil using PEG/salt aqueous two-phase system *YAO Yu-yang, HE Hua, ZUO Peng-li, QIU Lan-lan, GU Yu, SUN Wen-bin* (630)
- Extraction of tannins from pomegranate peel with ultrasonic-assisted semi-bionic and antioxidant analysis *YU Xian-chun, LI Xiang-su, GONG Zheng-wu* (636)
- The interactions between phenylhydrazine hydrochloride and bovine serum albumin *FU Cai-xia, WANG Xiao-yan, GAO Zong-hua* (642)
- Synthesis and in vitro biological evaluation of some B-norpregnane *GAN Chun-fang, LIU Zhi-ping, WEI Wan-xing, HUANG Yan-min, Cui Jian-guo* (647)
- Selectivity catalytic oxidation of benzyl alcohol over Fe/Cu-HMS *QIAO Gang-wei, XU Dan, JIA Li-hua, GUO Xiang-feng* (655)
- Study on the enzymolysis of crude enzyme in *Fructus Forsythiae* on forsythiaside A *HOU Ya-nan, XU Jia, CHEN Ting-gui, WANG Xiao-ju, ZHANG Li-wei* (660)
- Inhibitory effect of 1,4-dithiothreitol on amyloid formation of lysozyme *LI Jie, ZENG Cheng-ming* (665)
- Thermogravimetric-mass spectrometric analysis of tobacco and its components *LI Xiao-liang, ZHENG Sai-jing, WANG Zhi-hua, WANG Yu-jue* (670)
- A DFT study on recognition between aroylthiourea and fluoride anion and spectral changes in acetonitrile *BIE Tong-yu* (675)
- Synthesis and photocatalytic H₂ of novel platinum(II) and palladium(II) polypyridine complexes *HUANG Su-feng, XU Quan-qing* (684)
- Effects of blend surfactant on performance of *p*-perfluorononyloxy benzene sulfonate and tetraalkylammonium bromides complex systems *YANG Bai-qin, WANG Lei* (691)
- Electrocatalytic behavior and determination of aciclovir at phosphotungstic acid/acetylene black modified electrode *LIU Qiong-yan, HE Xiao-ying, GAO Jian-long, JIA Jing* (696)
- Analysis method for determination of levodopa using Fe³⁺-H₂O₂-calcein-phenanthroline morpholine chemiluminescence system *QIU Xia-lin, CAI Zhuo, HE Xiao-liang, YUE Wei-chao, JIANG Cui-wen* (701)

Research Notes

- Adsorption behaviors of a new cross-linked carboxymethyl glucomannan microspheres for urea *ZHUO Li, WANG Bi, TANG Yan-juan* (706)
- Study on extraction process of total flavonoids and antioxidant activities of extracts of *Milletia speciosa* roots *WANG Cheng-wen, JI Ming-hui, SHU Huo-ming, HUANG Da-peng, GAO Qian, LING Zhao-xing, XU Zhi-jiang, CHEN Yan-zhao* (713)
- Preparation and characterization of Mn-doped ZnSe quantum dots *SONG Lian-xiang, LIU Jian-gang, HU Yu* (718)
- Removal of lead from the simulative blood by electrochemical method *ZHOU Ming, DONG Tie-you, CHEN Ming-tao, CHEN Xiao-juan* (723)
- Studies on alkaloids produced by symbiotic fungus TG-3 associated with mantis *BI Shu-feng, WUREN Ge-ge, ZHU Yan-hua, WEN Fei-long* (727)
- Polyaniline in the PUA in situ emulsion polymerization and characterization *YIN Jiang, LI Yan, TAN Xiao-Ming, HAN Bo* (731)
- Preparation of polymer surface-grafted magnetic Fe₃O₄ nanoparticles by atom transfer radical polymerization *XIA Lie-Wen, LU Bao-qiang, LIU-fan, LIU Zhong-yan, LI Jing, LUO-jun* (736)
- Michael addition reactions of ethyl acetoacetate with chalcones under mechanochemical conditions *ZHANG Ze, WANG Chun-shan, WU Hao-hao, TANG Ya-jun* (742)

New Techniques and Application

- Establishment of loop-mediated isothermal amplification (LAMP) combined with quartz crystal microbalance (QCM) for the detection of a nucleic acid *LI Ya-guo* (748)
- Resonance Rayleigh scattering method for the determination of rifampicin with phenothiazine dyes methylene blue *JIANG Hong, WEI Yan-na* (751)
- Study on ampicillin residue detection in milk based on SPR biosensors *LIU Jin, ZHANG Wan-jie, WANG Wen, XU Ke-xin* (754)
- A high effective method for synthesis of substituted indolyl-3-aldehyde *ZHENG Jing, XIAO Xu-zhi, XIAO Sheng-wei, CHEN He-ru* (760)
- Research and application of high efficient organosilicon defoamer *HUANG Cheng, DU Zheng-xiong, PENG Jing-dong, HE Rong-xing* (764)