

目 次

研究报告与研究简报

- 621 羟丙基- β -环糊精对辣椒素的荧光增敏及其分析应用 黄 铮,马永钧*,葛 霞
- 626 环境舱-热脱附-气相色谱/质谱联用法测定软体家具面料中 40 种挥发性有机物
..... 文 瑶,曹淑瑞,郝存显,李贤良,张 雷,王国民,尚京川*
- 632 基于单壁碳纳米管和目标诱导适体转移电化学适体传感器检测腺苷 彭亚鸽*,潘福宁,万 乐
- 638 纤维管内固相微萃取-原子荧光光度法测定水中痕量 As(V)
..... 孔志云,吴晓青*,张 环,陈 远,魏俊富,张晓琪
- 642 精氨酸-罗丹明类 Pb^{2+} 荧光探针合成及识别性能 刘 静*,谈光华,李西洋,尚永辉
- 646 修饰电极伏安法快速测定食品中抗坏血酸和亚硝酸盐
..... 谢 云,周 敏,曹小娟,杨 宁,刘 芬,马永钧*
- 651 离子液体/表面活性剂协同增敏荧光法测定米力农 龚爱琴*,王元有,姜业朝
- 656 多波长吸收光谱法快速测定药物中的奥扎格雷钠 李 浩,江 虹*,刘璐瑶,赵 燕
- 661 基于羧基化多孔碳-纳米金修饰电极的核酸适体传感器检测赭曲霉毒素 A
..... 闫好杰,卫 敏*,鲁丽媛,方 晓
- 666 多波长褪色分光光度法测定药物中的酒石酸美托洛尔
..... 吴江艳,秦丽容,谭玉梅,杜胜娅,江 虹*
- 671 分散固相萃取-气相色谱/串联质谱法测定竹笋中 38 种持久性有机污染物
..... 张延平,沈丹玉,陈振超,钟冬莲,莫润宏,韩永翔,汤富彬*
- 677 气相色谱-三重四极杆质谱法测定鸡蛋中氟虫氰及其代谢残留 ... 曾 凯,余文婷,杨亚宣,罗明标*
- 681 顶空固相微萃取气质联用法测定地表水中痕量邻叔丁基苯酚
..... 陈 峰*,来 勇,王奕奕,汪凌佳,张 伟,周 珊

686 电化学法直接制备层状双金属氢氧化物-聚苯胺修饰电极及其在 H₂O₂ 检测中的应用..... 何建川,游 箭,段 烁*,李占明*

691 UPA-β-CD 的合成及其在 CE 手性拆分中的应用 赵 楠,李英杰*

696 分散液液微萃取-微量分光光度法测定再造烟叶废水中烟碱..... 秦云华,吴亿勤,张承明,刘 巍,叶 灵,王昆森,李 超,华建豪,杨亚玲*

701 固相萃取-程序升温-气相色谱法与大容量固相萃取-气相色谱法测定食用油脂中饱和烃矿物油的比
较 李冰宁,刘玲玲,武彦文*

706 固相萃取新装置净化-超高效液相色谱法测定卷烟主流烟气中的苯并[α]芘 许 永,李 晶,王 晋,刘 欣,孔维松,杨叶昆,杨光宇,李雪梅,黄海涛*

711 以铬皮为原料制备多孔炭及其对亚甲基蓝的吸附性能研究..... 李承明,田春霞,黄昊鹏,彭启繁,黄雅钦*

715 红外光谱法快速测定在用柴油机油中抗磨剂 T203 的含量 王 凯*,王菊香

720 高效液相色谱同时测定芦荟中 8 种蒽醌类物质的含量 饶楠楠,张 强,顾 华,邵超英*

726 高效液相色谱手性固定相法拆分尼拉帕尼对映体 周鑫鑫*,周 宁,刘长春

综 述

730 环境中挥发性有机化合物检测方法的研究进展 李孟楠,张恒之,张四喆,马 洁,贾文坤*

特约综述

740 生物条形码检测技术及研究进展 张 曼,霍冰洋,刘宝林,高志贤*

CONTENTS

- 621 Fluorescence enhancement of hydroxypropyl- β -cyclodextrin on capsaicin and its analytical application
..... HUANG Zheng, MA Yong-jun^{*} and GE Xia
- 626 Determination of 40 volatile organic compounds in soft furniture fabrics by environment test chamber -
thermal desorption-gas chromatography/mass spectrometry WEN Yao, CAO Shu-rui, XI Cun-xian,
LI Xian-liang, ZHANG Lei, WANG Guo-min and SHANG Jing-chuan^{*}
- 632 Single wall carbon nanotubes modified electrochemical aptasensor for the determination of adenosine based
on the target - induced aptamer displacement PENG Ya-ge^{*}, PAN Fu-ning and WAN Le
- 638 The determination of trace amount of As (V) in aqueous solution by fiber-in-tube preconcentration
combined with atomic fluorescence spectroscopy
KONG Zhi-yun, WU Xiao-qing^{*}, ZHANG Huan, CHEN Yuan, WEI Jun-fu and ZHANG Xiao-qi
- 642 Synthesis and discrimination performance of arginine-rhodamine-based fluorescent probe for Pb²⁺
..... LIU Jing^{*}, TAN Guang-hua, LI Xi-yang and SHANG Yong-hui
- 646 Rapid voltammetric determination of ascorbic acid and nitrite in the food samples at a composite modified
electrode XIE Yun, ZHOU Min, CAO Xiao-juan, YANG Ning, LIU Fen and MA Yong-jun^{*}
- 651 Determination of milrinone content by RTILs/surfactant synergistic sensitized spectrofluorimetry
..... GONG Ai-qin^{*}, WANG Yuan-you and JIANG Ye-chao
- 656 Determination of ozagrel sodium in the drug by multi-wavelength absorption spectrometry
..... LI Hao, JIANG Hong^{*}, LIU Lu-yao and ZHAO Yan
- 661 The detection of ochratoxin A based on nucleic acid apta sensor on the electrode modified by carboxylated
porous carbon nano gold YAN Hao-jie, WEI Min^{*}, LU Li-yuan and FANG Xiao
- 666 Determination of metoprolol tartrate in drug by multi-wavelength fading spectrophotometry
..... WU Jiang-yan, QIN Li-rong, TAN Yu-mei, DU Sheng-ya and JIANG Hong^{*}
- 671 Determination of 38 persistent organic pollutants in bamboo shoot by dispersive solid phase extraction gas
chromatography-tandem mass spectrometry ZHANG Yan-ping, SHEN Dan-yu, CHEN Zhen-chao,
ZHONG Dong-lian, MO Run-hong, HAN Yong-xiang and TANG Fu-bin^{*}
- 677 Determination of fipronil and metabolites in eggs by GC-MS/MS method
..... ZENG Kai, YU Wen-ting, YANG Ya-xuan and LUO Ming-biao^{*}

* The author to whom the correspondence should be addressed

- 681 Determination of 2-tert-butylphenol in surface water by headspace solid-phase micro extraction-chromatography-mass spectrometry CHEN Feng^{*}, LAI Yong, WANG Yi-yi, WANG Ling-jia, ZHANG Wei and ZHOU Shan
- 686 Direct electrochemical preparation of LDHs-polyaniline modified electrode and the application in H₂O₂ detection HE Jian-chuan, YOU Jian, DUAN Shuo^{*} and LI Zhan-ming^{*}
- 691 Preparation of UPA-β-cyclodextrin and its application of chiral separation by capillary electrophoresis ZHAO Nan and LI Ying-jie^{*}
- 696 Determination of nicotine in reconstituted tobacco wastewater using dispersive liquid-liquid microextraction combined with microscopic spectrophotometry QIN Yun-hua, WU Yi-qin, ZHANG Cheng-ming, LIU Wei, YE Ling, WANG Kun-miao, LI Chao, HUA Jian-hao and YANG Ya-ling^{*}
- 701 Comparison of solid phase extraction-programmed temperature vaporizer gas-chromatography and large scale-solid phase extraction-gas chromatography for the determination of mineral oil saturated hydrocarbons in edible oils and fats LI Bing-ning, LIU Ling-ling and WU Yan-wen^{*}
- 706 Study on the determination of benzo[α]pyrene in mainstream cigarette smoke by UPLC and sample preparation with solid phase extraction new device XU Yong, LI Jing, WANG Jin, LIU Xin, KONG Wei-song, YANG Ye-kun, YANG Guang-yu, LI Xue-mei and HUANG Hai-tao^{*}
- 711 Porous carbon obtained from chrome leather with high adsorption performance for methylene blue LI Cheng-ming, TIAN Chun-xia, HUANG Hao-peng, PENG Qi-fan and HUANG Ya-qin^{*}
- 715 Rapid determination of antiwear agent T203 in diesel engine oil by infrared spectroscopy WANG Kai^{*} and WANG Ju-xiang
- 720 Determination of 8 anthraquinones in aloe by high performance liquid chromatography RAO Nan-nan, ZHANG Qiang, GU Hua and SHAO Chao-ying^{*}
- 726 Tioseparation of niraparib enantiomers by high performance liquid chromatography on chiral stationary phase ZHOU Xin-xin^{*}, ZHOU Ning and LIU Chang-chun

Review

- 730 Research progress in detection methods of volatile organic compounds in the environment LI Meng-nan, ZHANG Heng-zhi, ZHANG Si-zhe, MA Jie and JIA Wen-shen^{*}

Special review

- 740 Biological bar code detection technology and research progress ZHANG Man, HUO Bing-yang, LIU Bao-lin and GAO Zhi-xian^{*}