



中文核心期刊
中国科技论文统计源期刊
中国科学引文数据库源期刊

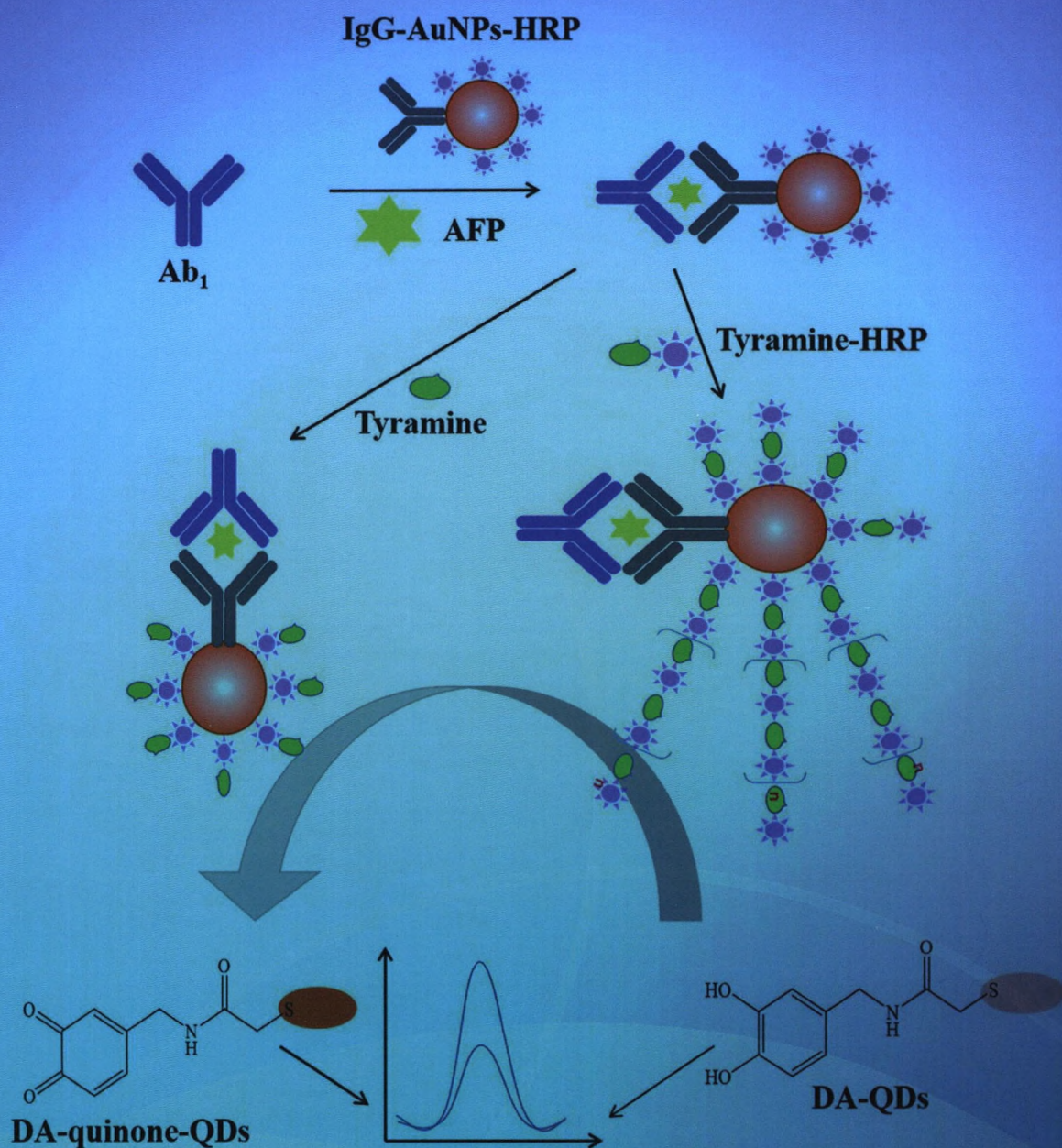


FENXISHIYANSHI
ISSN 1000-0720
CN 11-2017/TF
CODEN FENSE4

分析实验室

Vol.40 No. **3**
2021

Chinese Journal of Analysis Laboratory



<http://www.analab.cn>

万方数据

中国科学技术协会
中国有色金属学会
有研科技集团

主管
主办



分析实验室

FENXI SHIYANSHI

第 40 卷 第 3 期 2021 年 3 月

目 次

研究报告与研究简报

- 249 基于多巴胺-量子点的比色免疫分析法对甲胎蛋白的高灵敏检测.....
..... 杨雅妮,刘冰倩*,蔡 杰,罗大娟,高 荣
- 255 基于表面增强拉曼光谱技术对医疗美容产品中正壬酸香草酰胺的快速检测.....
..... 周家羽,周光明*,陈 蓉,黄子怡
- 260 硫鸟嘌呤修饰的 Mn:ZnS QDs 磷光探针检测铂(Ⅲ) 原 媛,巩 岩*,尹 笑
- 265 基于 ZIF-67 的 Co₃O₄/C 修饰电极制备及对多巴胺传感性能研究
..... 庄晓利,韩 超*,张 晨,张宇航,戴 磊,孟 伟*,桑兆虎
- 270 基于纳米银/碳纳米纤维复合材料的增强效应电化学测定多贝斯 张 亚*,邢 艳,焦玉荣
- 275 新型整体柱固相微萃取与液相色谱/质谱联用分析植物中痕量细胞分裂素
..... 王兴益,杨燕群,吴 韵,郑玉国,张仟春*
- 281 团簇离子枪对 CH₃NH₃PbI₃ 钙钛矿薄膜的影响研究 单 宇,蔡 斌,王秀娜*
- 286 镉镉共发光时间分辨荧光免疫法检测嗜水气单胞菌
..... 谢东琴,冯建军,郭松林,王艺磊,王淑红,林 鹏*
- 291 基于谷胱甘肽抑制纳米金催化 3,3',5,5'-四甲基联苯胺与过氧化氢反应比色检测谷胱甘肽
..... 肖传豪*

* 通信作者

- 296 X 射线荧光光谱法快速测定费托蜡中铁 陈静允*,杨如意,赵 帅,马琳鸽,蒋复国,李永龙
- 301 己烯雌酚印迹共价有机骨架材料的制备及其性能探究..... 兰志满,苏立强*,于亭亭,李国武,韩 爽,秦世丽,翟明翬
- 307 离子色谱法同时测定饮用水中强极性农药草甘膦、草铵膦、乙烯利和调节膦..... 张 文,闫 君,陈 婷,杨志敏,张 婕,吴福祥*
- 312 UPLC-MS/MS 法快速筛查尿液中 30 种滥用药物 郝敬梅,刘 飞,胡骏杰*,朱 军,上官国强
- 318 超高效液相色谱-串联质谱法快速测定镇咳祛痰药中阿片类物质的含量..... 翟金晓,王英舟,刘 丽,杜 乐,上官国强*
- 323 航天器管路吹除污染物成分分析与来源解析..... 孙 书,舒文祥,李秀杰,赵海泉,肖晓明,杜金腾,杨耀东*
- 330 民用航空煤油的化学组分分析 郭 玲,郝凯瑞,温亚男,王东旭,付朝晖*,许志珍*
- 336 基于壳聚糖的 QuEChERS-气相色谱-串联质谱法测定人参中 30 种农药残留 姚蕴恒,白龙律,吴信子,武伦鹏,何 苗,李东浩,任秀丽*
- 342 巯基乙酸-纳米银比色传感快速检测水样中的 Pb^{2+} 操江飞,韦寿莲*,梁伟骏
- 346 橙红色铜纳米荧光探针测定盐酸小檗碱 李志英*,赵文华,段亚琴
- 351 光谱-分子模拟法分析杨梅素与人血清白蛋白的分子作用机制..... 张大维,宋 宁,刘 语,刘铮铮,史博文*
- 357 气相色谱-热能分析仪测定汽车内饰件中 9 种 N-亚硝胺散发量 江小雪*,谈惠洁,蔡丽媛,张菲菲,金 锋
- 361 快速柱前衍生 HPLC 法检测曲格列汀中(R)-3-氨基哌啶 曲喜龙*,李铁健,刘治军,张贵民*

综述

- 366 MOFs 传感器在癌症及其生物标志物检测中的应用 李 静,崔传金*,龚瑞昆,王春皓,邵 斌,陈宏硕

CONTENTS

Scientific Papers and Research Notes

- 249 Highly sensitive detection of alpha-fetoprotein by colorimetric immunoassay based on dopamine-quantum dots YANG Yani, LIU Bingqian*, CAI Jie, LUO Dajuan, GAO Rong
- 255 Rapid detection of nonivamide in medical beauty products based on surface enhanced Raman spectroscopy ZHOU Jiayu, ZHOU Guangming*, CHEN Rong, HUANG Ziyi
- 260 Thioguanine modified Mn: ZnS QDs as room temperature phosphorescence probe for detection of platinum ions YUAN Yuan, GONG Yan*, YIN Xiao
- 265 Preparation of Co₃O₄/C modified electrode based on ZIF-67 and its dopamine sensing performance ZHUANG Xiaoli, HAN Chao*, ZHANG Chen, ZHANG Yuhang, DAI Lei, MENG Wei*, SANG Zhaohu
- 270 Electrochemical determination of calcium dobesilate based on enhancement effect of silver nanoparticles-carbon nanofibers nanocomposites ZHANG Ya*, XING Yan, JIAO Yurong
- 275 Analysis of trace cytokinins in plants by novel monolithic column solid-phase microextraction-liquid chromatography-tandem mass spectrometry WANG Xingyi, YANG Yanqun, WU Yun, ZHENG Yuguo, ZHANG Qianchun*
- 281 Study on effect of cluster ion gun on CH₃NH₃PbI₃ perovskite film SHAN Yu, CAI Bin, WANG Xiuna*
- 286 Detection of *Aeromonas hydrophila* by Eu/Lu co-luminescence time-resolved fluoroimmunoassay XIE Dongqin, FENG Jianjun, GUO Songlin, WANG Yilei, WANG Shuhong, LIN Peng*
- 291 Colorimetric determination of glutathione based on glutathione-induced inhibition of gold nanoparticles-catalyzed reaction of 3,3', 5,5'-tetramethylbenzidine with hydrogen peroxide XIAO Chuanhao
- 296 Fast quantitative determination of Fe element in Fischer-Tropsch wax by X-ray fluorescence spectrometry CHEN Jingyun*, YANG Ruyi, ZHAO Shuai, MA Linge, JIANG Fuguo, LI Yonglong
- 301 Preparation and properties of diethylstilbestrol imprinted covalent organic framework LAN Zhiman, SU Liqiang*, YU Tingting, LI Guowu, HAN Shuang, QIN Shili, ZHAI Minghui

* The author to whom the correspondence should be addressed

- 307 Simultaneous detection of strongly polar pesticides glyphosate, glufosinate, ethephon and fosamine ammonium in drinking water by ion chromatography ZHANG Wen, YAN Jun, CHEN Ting, YANG Zhimin, ZHANG Jie, WU Fuxiang *
- 312 Rapid screening of 30 abused drugs in urine by UPLC-MS/MS HAO Jingmei, LIU Fei, HU Junjie *, ZHU Jun, SHANGGUAN Guoqiang
- 318 Rapid determination of opioids in antitussive and expectorant drugs by ultra performance liquid chromatography-tandem mass spectrometry ZHAI Jinxiao, WANG Yingzhou, LIU Li, DU Le, SHANGGUAN Guoqiang *
- 323 Composition analysis and source location of pollutants in the process of spacecraft pipeline purge SUN Shu, SHU Wenxiang, LI Xiujie, ZHAO Haiquan, XIAO Xiaoming, DU Jinteng, YANG Yaodong *
- 330 Chemical composition analysis of commercial jet fuel GUO Ling, HAO Kairui, WEN Yanan, WANG Dongxu, FU Zhaohui *, XU Zhizhen *
- 336 Determination of 30 pesticide residues in ginseng by chitosan based QuEChERS-gas chromatography-tandem mass spectrometry YAO Yunheng, BAI Longlü, WU Xinzi, WU Lunpeng, HE Miao, LI Donghao, REN Xiuli *
- 342 Quickly colorimetric detection of Pb^{2+} in water samples by mercaptoacetic acid-silver nanoparticles sensor CAO Jiangfei, WEI Shoulian *, LIANG Weijun
- 346 Determination of berberine hydrochloride by orange red copper nanoparticles fluorescent probes LI Zhiying *, ZHAO Wenhua, DUAN Yaqin
- 351 Analysis on molecular interaction mechanism of myricetin binding with human serum albumin by spectroscopy and molecular modeling method ZHANG Dawei, SONG Ning, LIU Yu, LIU Zhengzheng, SHI Bowen *
- 357 Determination of the emissions of nine N-nitrosamines from vehicle interior parts using gas chromatography with thermal energy analyzer JIANG Xiaoxue *, TAN Huijie, CAI Liyuan, ZHANG Feifei, JIN Feng
- 361 Determination of (R)-3-aminopiperidine in trelagliptin by fast pre-column derivatization and HPLC QU Xilong *, LI Tiejian, LIU Zhijun, ZHANG Guimin *

Reviews

- 366 Application of MOFs sensors in the detection of cancer and its biomarkers LI Jing, CUI Chuanjin *, GONG Ruikun, WANG Chunhao, SHAO Bin, CHEN Hongshuo

分析实验室

第40卷 第3期 2021年3月
1982年创刊(月刊)

Chinese Journal of Analysis Laboratory

Vol. 40 No. 3 March 2021
Started in 1982 (Monthly)

主 管	中国科学技术协会	Administrated by	China Association for Science and Technology
主 办	中国有色金属学会 有研科技集团有限公司	Sponsored by	The Nonferrous Metals Society of China GRINM Group Co., Ltd.
编 辑 出 版	有科期刊出版(北京)有限公司 (北京新街口外大街2号, 100088, 电话: 010-82013328) 网址: www.analab.cn E-mail: analysislab@263.net	Edited and Published by	Youke Publishing Co., Ltd. (No. 2, Xijiekouwai Street, Beijing 100088, China) E-mail analysislab@263.net Homepage http://www.analab.cn
主 编	周旗钢	Editor-in-chief	ZHOU Qigang
印 刷	北京紫瑞利印刷有限公司	Printed by	Beijing Ziruli Printing Co., Ltd.
国内总发行	北京市报刊发行局	Overseas Distributor	China International Book Trading Corporation (P. O. Box 399, Beijing 100044, China)
国内订购	全国各地邮局, 邮发代号 82-431	Code No.	M848
国外发行	中国国际图书贸易总公司(北京399信箱)		
国外代号	M848		

本刊所载文章版权归有科期刊出版(北京)有限公司所有

刊号: ISSN 1000-0720/CN 11-2017/TF

广告经营许可证: 京西市监广登字 20170205 号

2021年3月15日出版 定价: 100.00元

ISSN 1000-0720

