



美国工程索引 (EI) 收录期刊
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



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

分析实验室

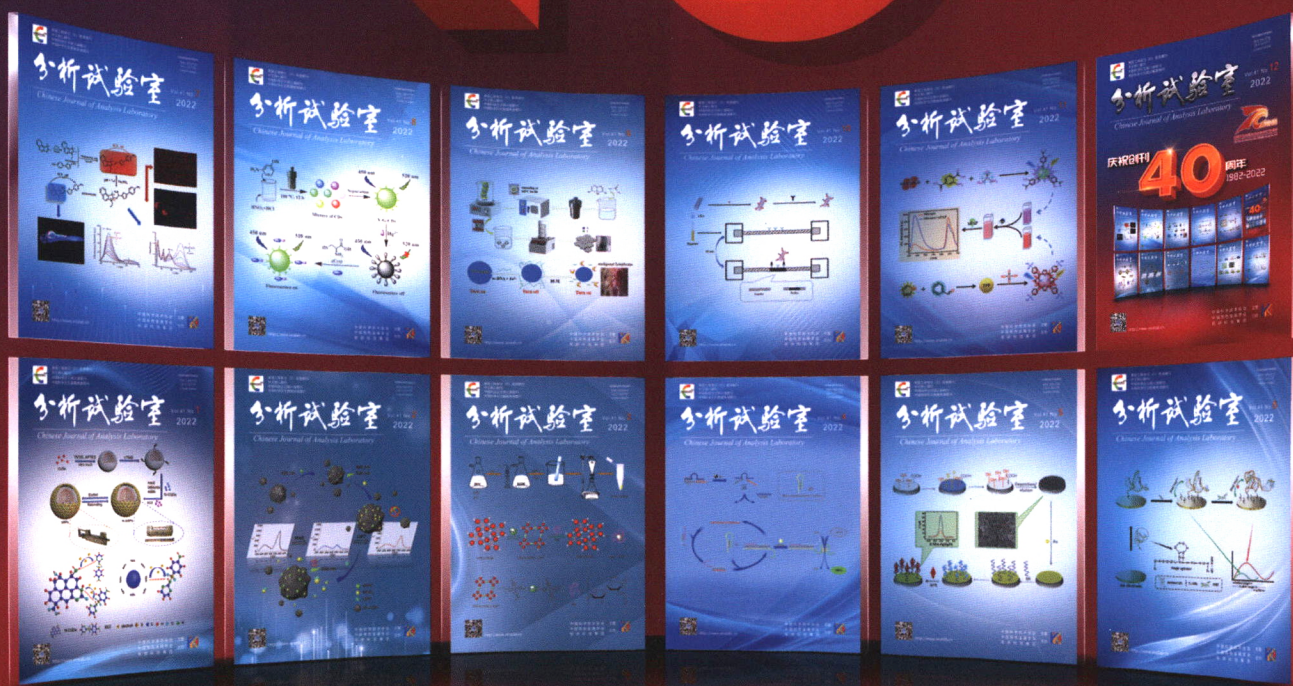
Vol.41 No. 12
2022

Chinese Journal of Analysis Laboratory



庆祝创刊

40 周年
1982-2022



<http://www.analab.cn>

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 41 卷 第 12 期(卷终) 2022 年 12 月

目 次

综述

- 1365 单细胞蛋白质组学分析技术研究进展..... 贺映云,袁辉明*,梁 振,张丽华*,张玉奎
- 1379 G-三聚体:发现、表征和分析应用..... 赵玲丽,周颖琳*,张新祥
- 1391 基于纳米探针形貌变化的碱性磷酸酶活性检测方法研究进展
- 黄 敏,郑文飞,程 茹,祝 福,王伟*,王 健*
- 1400 Pt单原子催化剂的构建和应用..... 张 敏,魏娟娟,欧阳津,那 娜*
- 1411 活性传感类荧光探针及其应用..... 穆 帅,张海霞*
- 1425 人工巨型囊泡的制备及其在生物模拟与传感中的应用..... 肖 秀,唐晓芳,周成成*,管伟江*
- 1435 疏水金属-有机骨架的合成及应用进展
- 于慧萍,崔媛媛,杨成雄*
- 1446 低密度脂蛋白的分离与分析研究进展..... 曹建芳,舒 杨*,王建华*
- 1455 铜基纳米酶在生化分析中的应用
- 王保茹,郑立炎*,曹秋娥
- 1460 α -溶血素纳米孔道限域空间内的识别..... 钟汶君,黎亚萍,杨咏琪,周翠松*
- 1473 碳点荧光传感器:碳点合成、发光调控及信号构建..... 秦雪非,颜文菊,周雪英,袁亚利*
- 1485 磁性固相萃取吸附剂用于富集环境和食品中残留农药的研究进展.....
- 李 翔,梁晓静,王立成,郭 勇,王 帅*
- 1496 基于磁泳的微流控分离技术研究进展..... 邵力耕,孙梦轩,谭志强*

* 通信作者

- 1504 植物源性食品中农药残留检测技术的应用进展
 杨 君,董国强,丁宗博,李 莉,张兴龙,冯清芳,郭英妹*

研究报告与研究简报

- 1514 常压微波辅助法制备高荧光量子产率水溶性硅纳米粒子及其在细胞荧光成像中的应用
 窦亚坤,李文友*,何锡文
- 1521 新型咪唑二甲酰胺基桥联双 β -环糊精手性液相色谱键合相制备与评价
 曾庆丽,钟 慧,黄志琴,李来生*
- 1532 发光二硫化钼量子点的“自上而下”合成及其在Cr(VI)检测中的应用
 吴世阅,王雨娇,蒋忠伟*,王 焱*
- 1538 噻吡啶酮修饰微孔电极电致化学发光检测铜离子 张通凯,刘凤玉,宁洪侠,陈 萌,李福胜*
- 1545 基于 $\text{Fe}_3\text{O}_4@\text{CeO}_2$ 类过氧化物模拟酶的葡萄糖比色传感检测
 李雪梅,公卫景,秦国超,韩素平*,鲁 娜*
- 1551 基于封闭链释放型磁性DNA分子机器的化学发光传感体系 徐 侨,金京京,张信凤*
- 1556 不同基因修饰聚苯乙烯微塑料对大型蚤的影响及其在肠道中的积累
 王 超,李佳洁,方智新,邓洁薇*,栾天罡
- 1562 基于特征肽检测的多来源胶类中药同时鉴别
 裴玉琼,蔡 朔,黄潇正,夏浩然,闫郅焯,徐浩坤,侯 蓉,黄 勇,郑云枫,刘 睿,韩疏影*

CONTENTS

Reviews

- 1365 Progress in technologies for single-cell proteome analysis.....
..... HE Yingyun, YUAN Huiming*, LIANG Zhen, ZHANG Lihua*, ZHANG Yukui
- 1379 G-triplexes: discovery, characterization and analytical application
..... ZHAO Lingli, ZHOU Yinglin*, ZHANG Xinxiang
- 1391 Research progress on alkaline phosphatase activity assays based on the morphological changes of nano-
probes HUANG Min, ZHENG Wenfei, CHENG Ru, ZHU Fu, WANG Wei*, WANG Jian*
- 1400 Construction and application of Pt single-atom catalysts.....
..... ZHANG Min, WEI Juanjuan, OUYANG Jin, NA Na*
- 1411 Activity-based sensing fluorescent probes and its application MU Shuai, ZHANG Haixia*
- 1425 Construction of giant vesicles and their applications in biomimicry and analysis
..... XIAO Xiu, TANG Xiaofang, ZHOU Chengcheng*, GUAN Weijiang*
- 1435 Progress in synthesis and application of hydrophobic metal-organic frameworks
..... YU Huiping, CUI Yuanyuan, YANG Chengxiong*
- 1446 The state-of-the-art progress for the separation and recognition of low-density lipoproteins
..... CAO Jianfang, SHU Yang*, WANG Jianhua*
- 1455 Application of copper-based nanozymes in biochemical analysis
..... WANG Baoru, ZHENG Liyan*, CAO Qiu'e
- 1460 Identification within confined domain spaces of α -hemolysin nanopore
..... ZHONG Wenjun, LI Yaping, YANG Yongqi, ZHOU Cuisong*
- 1473 Carbon dots-based fluorescence sensors: synthesis, luminescence tuning and signal construction.....
..... QIN Xuefei, YAN Wenju, ZHOU Xueying, YUAN Yali*
- 1485 Research advances of magnetic solid phase extraction adsorbents for the enrichment of pesticide residues
in environment and food LI Xiang, LIANG Xiaojing, WANG Licheng, GUO Yong, WANG Shuai*
- 1496 Research advances of microfluidic separation technology based on magnetophoresis
..... SHAO Ligeng, SUN Mengxuan, TAN Zhiqiang*

* The author to whom the correspondence should be addressed

- 1504 Advances in application of detection techniques for pesticide residues in plant-derived foods
 YANG Jun, DONG Guoqiang, DING Zongbo, LI Li, ZHANG Xinglong, FENG Qingfang,
 GUO Yingshu*

Scientific Papers and Research Notes

- 1514 Preparation of water-soluble silicon nanoparticles with high fluorescence quantum yield by atmospheric pressure microwave-assisted method and their application in cell fluorescence imaging
 DOU Yakun, LI Wenyong*, HE Xiwen
- 1521 Preparation and evaluation of a novel imidazolediamide bridged bis(β -cyclodextrin)-bonded chiral stationary phase for HPLC ZENG Qingli, ZHONG Hui, HUANG Zhiqin, LI Laisheng*
- 1532 “Top-down” synthesis of luminescent molybdenum disulfide quantum dots and its application for Cr(VI) detection WU Shiyue, WANG Yujiao, JIANG Zhongwei*, WANG Yi*
- 1538 Electrochemiluminescence detection of Cu²⁺ by quinacridone-modified microporous electrodes
 ZHANG Tongkai, LIU Fengyu, NING Hongxia, CHEN Meng, LI Fusheng*
- 1545 Colorimetric detection of glucose based on the peroxidase-like activity of Fe₃O₄@CeO₂
 LI Xuemei, GONG Weijing, QIN Guochao, HAN Suping*, LU Na*
- 1551 A magnetic DNA nanomachine enable unload of blocker DNA for chemiluminescence sensing
 XU Qiao, JIN Jingjing, ZHANG Xinfeng*
- 1556 Effects of polystyrene microplastics modified by different groups on *Daphnia magna* and their intestinal accumulation WANG Chao, LI Jiajie, FANG Zhixin, DENG Jiwei*, LUAN Tiangang
- 1562 Simultaneous identification of multi species derived gelatinous traditional Chinese medicines based on the detection of specific peptides
 PEI Yuqiong, CAI Shuo, HUANG Xiaozheng, XIA Haoran, YAN Zhiye, XU Haokun,
 HOU Rong, HUANG Yong, ZHENG Yunfeng, LIU Rui, HAN Shuying*

分析实验室

第 41 卷 第 12 期(卷终) 2022 年 12 月
1982 年创刊(月刊)

Chinese Journal of Analysis Laboratory

Vol.41 No.12 December 2022
Started in 1982(Monthly)

主 管 中国科学技术协会
主 办 中国有色金属学会
有研科技集团有限公司
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
主 编 周旗钢
印 刷 北京圣品风尚科技发展有限公司
国内总发行 北京市报刊发行局
国内订购 全国各地邮局,邮发代号 82-431
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

Administrated by China Association for Science and Technology
Sponsored by The Nonferrous Metals Society of China
GRINM Group Co., Ltd.
Edited and Published by Youke Publishing Co., Ltd.
(No.2, Xinjiekouwai Street, Beijing 100088, China)
E-mail analysislab@263.net
Homepage http://www.analab.cn
Editor-in-chief ZHOU Qigang
Printed by Beijing Shengpinfengshang Technology Development
Co., Ltd.
Overseas Distributor China International Book Trading
Corporation (P.O.Box 399, Beijing 100044, China)
Code No. M848

本刊所截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

2022 年 12 月 15 日出版 定价:100.00 元

ISSN 1000-0720

