

ISSN 0254-6108

CN 11-1844 / X

CODEN HUHUBB



Q K 2 1 2 0 7 5 4

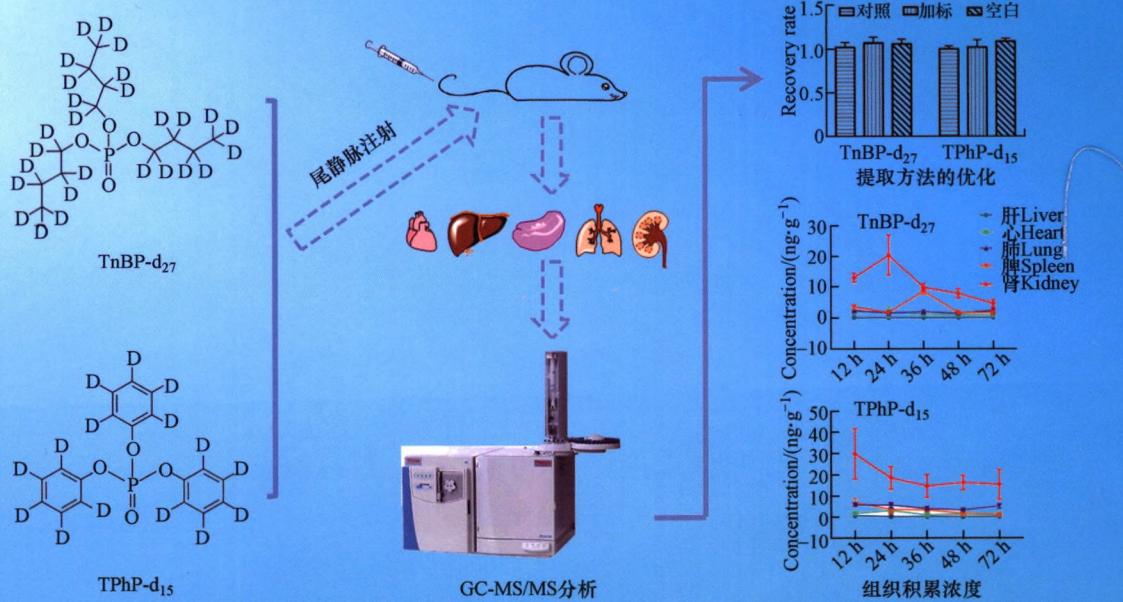
环境化学

ENVIRONMENTAL CHEMISTRY



2020

Oct. Vol.39 No. 10
10月 第39卷 第10期



——典型有机磷酸酯在小鼠组织内的特异性分布

ISSN 0254-6108

10>



万方数据

中国科学院生态环境研究中心 主办

科学出版社 出版

万方知库
Eco-Environmental
Knowledge Web

环境化学

(HUANJING HUAXUE)
第39卷 第10期 2020年10月



环境化学与生态毒理学国家重点实验室
资助出版

目 次

- 典型有机磷酸酯在小鼠组织内的特异性分布
..... 陈 敏 廖晓亮 杨 春 宋德浩 陈智锋 刘国光 祁增华 蔡宗苇 (2627)
- 五种典型环境内分泌干扰物赋存及风险评估的研究进展
..... 李金荣 郭瑞昕 刘艳华 陈建秋 (2637)
- 蚯蚓介导下镉胁迫对土壤理化性质和玉米生长的影响
..... 禹明慧 孟祥怀 段昌群 潘 瑛 秦媛儒 岳敏慧 王 朋 刘嫦娥 (2654)
- 五酸钾对酸雨胁迫下苘蒿的防护 陈俊彤 谢恩耀 金 珊 (2666)
- 太湖贝类中微囊藻毒素的测定与健康风险评估 郭雅欣 钱宗耀 龚婷婷 鲜啟鸣 (2673)
- 气相色谱/电感耦合等离子体质谱联用法测定儿童塑料玩具中多溴联苯醚及有机磷酸酯阻燃剂
..... 杨 晨 宋善军 张玮庭 金 津 李彭辉 金星龙 (2683)
- 分散固相萃取-液相色谱质谱法测定水稻和多环境介质中的噁唑酰草胺及其代谢产物
..... 豆叶枝 李菊颖 何健 吴文铸 倪妮 张悦清 余 佳 孔德洋 单正军 (2693)
- 基于分子印迹技术的表面增强拉曼传感器在环境分析中的应用
..... 李学剑 杨圆圆 李冰冰 李原婷 (2702)
- 铅-镉-锌-汞稳定同位素在重金属污染源解析中的研究进展 闫 颖 张晓文 郭波莉 (2712)
- 单体稳定同位素分析在有机物降解中的应用研究进展 刘 佳 黄振友 卜婧函 (2722)
- 城郊型地下河表层沉积物多环芳烃来源分析与生态风险评价 王 琪 卢 丽 裴建国 (2733)
- 象山港沉积物与生物体中多氯联苯分布特征与暴露风险
..... 赵宾峰 祝翔宇 廖一波 屈晓萍 胡建林 (2742)
- 湘南柿竹园东河流域农田土壤重金属污染特征及风险评价
..... 韦壮绵 陈华清 张 煜 周彦兆 谭晓玲 石 柳 (2753)
- 铁观音茶园土壤-茶树体系中重金属的生物有效性
..... 孙境蔚 胡恭任 于瑞莲 崔建勇 颜 妍 张云峰 (2765)
- 改性蛭石-蒙脱土对煤矸石充填区镉污染土壤的修复
..... 杨思楠 赵 萍 陈永春 安士凯 郑刘根 (2777)
- 桃江流域河流沉积物中重金属污染特征与风险评价
..... 陈 明 郑小俊 陶美霞 李凤果 胡兰文 师艳丽 刘友存 (2784)
- 安徽庐江尾矿区河流重金属分布及污染评价
..... 周芬琦 王小芳 赵新如 李 肖 黄 涛 孙庆业 (2792)
- 蛋白核小球藻吸收无机砷的影响特征分析 周 眇 梁 原 张建英 (2804)
- 棕碳气溶胶的生消机制研究进展 关东杰 沈振兴 陈庆彩 (2812)
- 2015—2018年海南省城市臭氧时空分布特征 符传博 徐文帅 丹 利 佟金鹤 (2823)
- 燃煤电厂煤中氯的迁移和释放特征
..... 章春年 汪 海 徐 波 刘桂建 刘 壮 魏 勇 王儒威 (2833)

涨落潮影响下长江口 PAHs 水-悬沙相间分配特征	于晓霞 吴悦菡 王东鑫 田晨浩 冯成洪 (2840)
北运河流域沙河水库水质时空变化特征.....	余昊翔 杨东翰 谢梦飞 曲丹 邱斌 刘永泽 李鹏飞 郭鹏 (2849)
介孔 Cu-Al ₂ O ₃ 纳米纤维类芬顿氧化降解双酚 A	惠劭华 李一兵 王雁 呼瑞琪 李霞 刘思琦 朱海洋 赵旭 (2858)
磁性氧化石墨烯活化过一硫酸盐去除水中阿托伐他汀.....	彭建彪 贺冰冰 顾梦瑶 王喆熙 刘金 樊蓓蓓 刘海津 曹治国 王梦杰 高士祥 (2869)
Cl ⁻ 、NH ₄ ⁺ 、CO ₃ ²⁻ 离子和天然有机物对掺硼金刚石电极电解制备过硫酸盐的影响	孙智宇 张峰 崔建国 (2878)
g-C ₃ N ₄ 的硫酸铵-尿素混合法制备及其可见光催化性能 ... 王震 任学昌 郭梅 万建新 (2887)	
碳纳米管对腐殖酸的吸附及其环境意义.....	
八宝景天热解动力学特征及其对六价铬的吸附.....	方梦园 赵天慧 赵晓丽 汤智 武迪 吴丰昌 (2897)
酸反应介质对柚子皮水热炭表面性质及吸附性能的影响.....	雷建森 吴梦茹 李亚茹 孙雅雅 丁琳洁 张鑫 陈治华 (2907)
超声辅助离子交换法制备 Fe/Co/Al-Mt 催化剂及性能	刘德明 赵玮林 邬克彬 姚登辉 刘永贤 傅春燕 周南 (2921)
磁性金属有机骨架材料(MOF)Fe ₃ O ₄ -COOH@ MIL-101(Cr)的制备及其吸附/催化协同作用去除 新型污染物尼泊金甲酯.....	李志亮 赵彬侠 刘林学 贺贝贝 孙丽 张小里 (2929)
.....	蒋琦 章涵 王俊二 杨旎妮 沈昊宇 胡美琴 成瑾瑾 (2937)
* * * * *	
分析应用快报:	
液相色谱-串联四极杆质谱法测定海水和海底泥中的有机磷酸酯类阻燃剂	
.....	刘星 万正瑞 杜伟 孙禾琳 王卫平 吴翠玲 姚子伟 (2947)
废弃泡沫混凝土对土壤中镉、砷的赋存形态和油麦菜吸收特征的影响 ... 符式锦 吴岳峻 何书海 王海妹 (2952)	
小型环境测试舱法测定聚氯乙烯卷材地板中 TVOC 的释放量	
.....	袁庆丹 董雪梅 关红艳 郭中宝 田菲菲 (2955)
* * * * *	

广告目录 国家微生物科学数据中心(前插),岛津国际贸易(上海)有限公司(封四)

ENVIRONMENTAL CHEMISTRY

(Monthly)

Volume 39

Number 10

October

2020

CONTENTS

- The tissue accumulation and distribution of typical organophosphate flame retardants (OPFRs) in mice
CHEN Min, LIAO Xiaoliang, YANG Chun, SUN Dehao, CHEN Zhifeng, LIU Guoguang, QI Zenghua, CAI Zongwei (2627)
- Occurrence and risk assessment of five typical environmental endocrine disruptors
..... *LI Jinrong, GUO Ruixin, LIU Yanhua, CHEN Jianqiu* (2637)
- Effects of cadmium stress on soil physical and chemical properties and maize growth mediated by earthworms
YU Minghui, MENG Xianghuai, DUAN Changqun, PAN Ying, QIN Yuanru, YUE Minhui, WANG Peng, LIU Change (2654)
- Potassium pyridine-2,3,4,5,6-pentacarboxylate protects *Artemisia selengensis* under acid rain stress
..... *CHEN Juntong, XIE Enyao, JIN Jin* (2666)
- Determination and health risk assessment of microcystins in shellfish from Lake Taihu
..... *GUO Yaxin, QIAN Zongyao, GONG Tingting, XIAN Qiming* (2673)
- Determination of polybrominated diphenyl ethers and organophosphate esters in children's plastic toys using gas chromatography-inductively coupled plasma mass spectrometry
..... *YANG Chen, SONG Shanjun, ZHANG Weiting, JIN Jin, LI Penghui, JIN Xinglong* (2683)
- Determination of metamifop and its metabolites in rice and paddy field by ultra performance liquid chromatography-mass spectrometry
..... *DOU Yezhi, LI Juying, HE Jian, WU Wenzhu, NI Ni, ZHANG Yueqing, YU Jia, KONG Deyang, SHAN Zhengjun* (2693)
- The application of molecular imprinting-based Surface-enhanced Raman sensors in environmental analysis
..... *LI Xuejian, YANG Yuanyuan, LI Bingbing, LI Yuanling* (2702)
- Applications of lead-cadmium-zinc-mercury stable isotopes in source identification of heavy metal pollutions
..... *YAN Ying, ZHANG Xiaowen, GUO Boli* (2712)
- Review on compound-specific stable isotope analysis (CSIA) to transformation mechanisms of organic compounds
..... *LIU Jia, HUANG Zhenyou, BU Jinghan* (2722)
- Source analysis and ecological risk assessment of polycyclic aromatic hydrocarbons in surface sediments from suburban type underground river
..... *WANG Zhe, LU Li, PEI Jianguo* (2733)
- Distribution features and exposure risk of polychlorinated biphenyls (PCBs) in sediments and marine organisms from Xiangshan Bay, China
..... *ZHAO Binfeng, ZHU Xiangyu, LIAO Yibo, QU Xiaoping, HU Jianlin* (2742)
- Pollution characteristics and risk assessment of heavy metals in farmland soils at Shizhuyuan Donghe River basin of Southern Hunan
..... *WEI Zhuangmian, CHEN Huqing, ZHANG Yu, ZHOU Yanzhao, TAN Xiaoling, SHI Liu* (2753)
- Bioavailability of heavy metals in soil-tea plant system of Tieguanyin tea garden
..... *SUN Jingwei, HU Gongren, YU Ruiyan, CUI Jianyong, YAN Yan, ZHANG Yunfeng* (2765)
- Effect of modified vermiculite-montmorillonite on cadmium-contaminated soil in coal gangue filling and reclamation area
..... *YANG Sinan, ZHAO Ping, CHEN Yongchun, AN Shikai, ZHENG Liugen* (2777)
- Pollution characteristics and risk assessment of heavy metals in sediment from Taojiang River Basin
..... *CHEN Ming, ZHENG Xiaojun, TAO Meixia, LI Fengguo, HU Lanwen, SHI Yanli, LIU Youcun* (2784)
- Heavy metal distribution and pollution evaluation of rivers along mining area in Lujiang County, Anhui Province
..... *ZHOU Fenqi, WANG Xiaofang, ZHAO Xinru, LI Xiao, HUANG Tao, SUN Qingye* (2792)
- Analysis on chemical characterization for inorganic arsenic uptake of *Chlorella pyrenoidosa*
..... *ZHOU Fang, LIANG Yuan, ZHANG Jianying* (2804)

- Formation and elimination of brown carbon aerosol: A review *GUAN Dongjie, SHEN Zhenxing, CHEN Qingcai* (2812)
- Spatiotemporal distribution of ozone in cities of Hainan from 2015 to 2018 *FU Chuanbo, XU Wenshuai, DAN Li, TONG Jinhe* (2823)
- The migration and release characteristics of chlorine during coal combustion in coal-fired power plants *DA Chunlian, WANG Hai, XU Bo, LIU Guijian, LIU Zhuang, WEI Yong, WANG Ruwei* (2833)
- Multiphase distribution of polycyclic aromatic hydrocarbons (PAHs) in Yangtze Estuary under the impacts of ebb and flow *YU Xiaoxia, WU Yuehan, WANG Dongxin, TIAN Chenhao, FENG Chenghong* (2840)
- Temporal and spatial variation characteristics of water quality of Shahe Reservoir in Northern Canal Basin *YU Haoxiang, YANG Donghan, XIE Mengfei, QU Dan, QIU Bin, LIU Yongze, LI Pengfei, GUO Peng* (2849)
- Fenton-like oxidative degradation of bisphenol A by mesoporous Cu-Al₂O₃ nanofibers *HUI Shaohua, LI Yibing, WANG Yan, HU Ruiqi, LI Xia, LIU Siqi, ZHU Haiyang, ZHAO Xu* (2858)
- Efficient removal of atorvastatin in aqueous solution via peroxyomonosulfate activated by magnetic graphene oxide *PENG Jianbiao, HE Bingbing, GU Mengyao, WANG Zhexi, LIU Jin, FAN Beibei, LIU Haijin, CAO Zhiguo, WANG Mengjie, GAO Shixiang* (2869)
- The effect of Cl⁻, NH₄⁺, CO₃²⁻ ions and natural organic matter on persulfate preparation by boron-doped diamond electrode electrolysis *SUN Zhiyu, ZHANG Feng, CUI Jianguo* (2878)
- Preparation of g-C₃N₄ by ammonium sulfate-urea mixed method and its visible light photocatalytic performance *WANG Zhen, REN Xuechang, GUO Mei, WAN Jianxin* (2887)
- Effect of humic acid on adsorption and sedimentation of carboxylic multi-walled carbon nanotubes with different diameters *FANG Mengyuan, ZHAO Tianhui, ZHAO Xiaoli, TANG Zhi, WU Di, WU Fengchang* (2897)
- Kinetic of *Hylotelephium erythrostictum* pyrolysis and Cr(VI) adsorption by the derived biochar *LEI Jiansen, WU Mengru, LI Yaru, SUN Yaya, DING Linjie, ZHANG Xin, CHEN Zhihua* (2907)
- Effect of acid reaction medium on the surface characteristics and adsorption properties of hydrochar from pomelo peel *LIU Deming, ZHAO Weilin, WU Kebin, YAO Denghui, LIU Yongxian, FU Chunyan, ZHOU Nan* (2921)
- Preparation of Fe/Co/Al-Mt catalysts by ultrasound-assisted ion exchange method and its property investigation *LI Zhiliang, ZHAO Binxia, LIU Linxue, HE Beibei, SUN Li, ZHANG Xiaoli* (2929)
- Preparation of magnetic metal-organic organic frameworks (MOF) Fe₃O₄-COOH@ MIL-101(Cr) and its adsorption/ catalytic joint-removal of the emerging contaminants- methylparaben *JIANG Qi, ZHANG Han, WANG Juner, YANG Nini, SHEN Haoyu, HU Meiqin, CHENG Jinjin* (2937)
- Determination of organophosphate ester flame retardants in seawater and sediments by liquid chromatography-tandem quadrupole mass spectrometry *LIU Xing, WAN Zhengrui, DU Wei, SUN Helin, WANG Weiping, WU Cuiling, YAO Ziwei* (2947)
- Effects of waste foam concrete on the passivation of cadmium and arsenic in soil and the total amount of plant enrichment *FU Shijin, WU Yuejun, HE Shuhai, WANG Haimei* (2952)
- Determination of TVOC emission from PVC floors by small environmental test chamber *YUAN Qingdan, DONG Xuemei, GUAN Hongyan, GUO Zhongbao, TIAN Feifei* (2955)



LCMS-9030

四极杆飞行时间液质联用仪

- **高灵敏度:** UF离子累积技术及UFgrating 高场离子提取技术
- **高分辨率:** iRefTOF技术
- **高稳定性:** 高精度温控单元

