

目 次

主编推荐

1 海洋酸化对藻类生态学效应及作用机制的研究进展

刘雅静, 席天乐, 梁成伟, 叶乃好

17 水环境样品体外生物测试效应触发值的研究进展

张硕, 韩颖楠, 李娜, 马梅

“第六届 PBTS 国际研讨会”专栏

31 荚秆生物质炭处理重金属废水研究现状及展望

赵雪, 赵欣鑫, 赵佐平, 杨超, 邱若琪, 丁聪, 杨乐, 陈旭杰

“第八届全国生态毒理学大会”专栏

40 麻醉剂依托咪酯诱导斑马鱼幼鱼神经发育毒性

马栋栋, 李思颖, 张金阁, 卢志杰, 龙小冰, 黄争, 黄楚舒, 刘昕, 史文俊, 应光国

54 胺碘酮通过诱发免疫紊乱加剧小鼠肝毒性

高玉婷, 毛大庆, 夏大胜, 罗义

65 再生水受纳湖泊中邻苯二甲酸酯的生态风险时空分布及管控建议

黄盼盼, 马翔山, 郭亚琦, 王晨晨, 邱春生

74 河口水生态完整性评价方法研究和进展

黄文杰, 王锦东, 闫振飞, 冯承莲

91 我国土壤环境基准受试无脊椎动物筛选研究

王蕾, 姜锦林, 董姝楠, 吴慧毅, 李勘之, 曹少华

“新污染物筛查与评估”专栏

103 国外替代品风险评估方法研究及我国评估要点初探

赵静, 胡俊杰, 葛海虹, 张瀚心, 刘晓建

115 基于物种敏感度分布及相平衡理论的汾河流域磺胺类抗生素生态风险阈值研究

刘瑞民, 赵静, 韩文辉, 王林芳, 马双锐, 夏星辉

综述

127 湿地植物对镉和抗生素单一及复合污染物的去除机制

殷寿延, 杨思林, 寇旭阳, 孙仕仙

150 野生鸟类介导抗生素抗性基因传播的研究进展

杨婧, 王雪妍, 徐泽坤, 张轩

162 有机化学品非动物替代风险评估组学研究进展

孙翌, 李媛, 龙奇, 左涛, 徐平

173 微纳米塑料对鱼类的毒性效应及作用机制研究进展

王飞, 张超楠, 张焕民, 张轶, 朱俊杰

185 砷对植物生长和生理生化的影响与机制综述

李佳骏, 叶阜鑫, 刘朝柱, 刘雪

研究论文

207 多光谱法研究啶虫脒与牛血清白蛋白的相互作用

李嘉兴, 李坤, 刘世杰, 曾浩宇, 杨娟

223 双酚 A 致文昌蛤组织氧化损伤

朱龙, 周尚颖, 马雨阳, 陈鑫翎, 王孝天, 许星鸿

232 有机磷阻燃剂 TCPP 和铅联合暴露对斑马鱼发育的影响

张晓顺, 纪秋怡, 向阳, 许永杰, 宋珊珊, 孟晓静

- 243 基于我国葡萄产区单氰胺残留特征评估膳食暴露风险
李素贞,康珊珊,刘凤娇,李莉,赵莉莉,李薇,陈增龙
- 252 海水曝气对海洋微生物群落和抗生素抗性基因的影响
林旭吟,王艳,许敏,张振炎,钱海丰
- 262 废水急性毒性测定及评价中的不确定性研究及其改进方法
林健辉,吴欣颖,赖伟,李建威,范雪滢,卢嘉慧,梅承芳,杨旭楠
- 275 醚菌酯对斑马鱼早期生命阶段的慢性毒性效应
胡浩泽,王卢燕,李烨青,张昌朋,赵学平,张鑫,蒋金花
- 286 川南页岩气开发油基钻屑对玉米的生物毒性效应研究
梁敏,朱天菊,谢贵林,黄涛

CONTENTS

- 1 Research Progress on Ecological Effects and Mechanism of Ocean Acidification on Algae
Liu Yajing, Xi Tianle, Liang Chengwei, Ye Naihao
- 17 Research Progress on Effect-Based Trigger Values for *in vitro* Bioassays of Environmental Water Samples
Zhang Shuo, Han Yingnan, Li Na, Ma Mei
- 31 Treatment of Heavy Metal Wastewater by Straw Biochar: Current Knowledge and Future Perspectives
Zhao Xue, Zhao Xinxin, Zhao Zuoping, Yang Chao, Qiu Ruqi, Ding Cong, Yang Le, Chen Xujie
- 40 Developmental Neurotoxicity of Anesthetic Etomidate on Zebrafish Larvae
Ma Dongdong, Li Siying, Zhang Jing, Lu Zhijie, Long Xiaobing, Huang Zheng, Huang Chushu, Liu Xin, Shi Wenjun, Ying Guangguo
- 54 Amiodarone Aggravates Liver Toxicity in Mice by Inducing Immune Dysregulation
Gao Yuting, Mao Daqing, Xia Dasheng, Luo Yi
- 65 Spatial-temporal Distribution of Ecological Risk and Control Suggestions of Phthalates in a Lake Receiving Reclaimed Water
Huang Panpan, Ma Xiangshan, Guo Yaqi, Wang Chenchen, Qiu Chunsheng
- 74 Research and Advances in Estuarine Aquatic Ecological Integrity Assessment Methods
Huang Wenjie, Wang Jindong, Yan Zhenfei, Feng Chenglian
- 91 Screening of Test Invertebrate Organisms for Deriving Soil Environmental Criteria in China
Wang Lei, Jiang Jinlin, Dong Shunan, Wu Huiyi, Li Xuzhi, Cao Shaohua
- 103 Research on International Alternative Risk Assessment and Preliminary Study of Key Assessment Points in China
Zhao Jing, Hu Junjie, Ge Haihong, Zhang Hanxin, Liu Xiaojuan
- 115 Study on Ecological Risk Threshold of Sulfonamides Antibiotics in Fenhe River Basin Based on Species Sensitivity Analysis and Phase Equilibrium Theory
Liu Ruimin, Zhao Jing, Han Wenhui, Wang Linfang, Ma Shuangrao, Xia Xinghui
- 127 Removal Mechanisms of Single and Combined Pollutants of Cadmium and Antibiotics by Wetland Plants
Yin Shouyan, Yang Silin, Kou Xuyang, Sun Shixian
- 150 Advances in Wild Birds Mediating Spread of Antibiotic Resistance Genes
Yang Jing, Wang Xueyan, Xu Zekun, Zhang Xuan
- 162 Advances in Omics Research for Risk Assessment of Non-animal Alternatives to Organic Chemicals
Sun Yi, Li Yuan, Long Qi, Zuo Tao, Xu Ping
- 173 Research Advances on Toxic Effects and Mechanisms of Micro- and Nano-plastics on Fish
Wang Fei, Zhang Chaonan, Zhang Huanmin, Zhang Yi, Zhu Junjie
- 185 Effects and Mechanisms of Arsenic on Plant Growth and Physiological-Biochemical Characteristics: A Review
Li Jiajun, Ye Fuxin, Liu Chaozhu, Liu Xue
- 207 Study on Interaction Between Acetamiprid and Bovine Serum Albumin by Multispectral Analysis
Li Jiaxing, Li Kun, Liu Shijie, Zeng Haoyu, Yang Juan
- 223 Oxidative Damage of Bisphenol A to *Meretrix petechialis* Gill Tissues
Zhu Long, Zhou Shangjie, Ma Yuyang, Chen Xinling, Wang Xiaotian, Xu Xinghong
- 232 Effects of Combined Exposure to Organophosphorus Flame Retardant TCPP and Lead on Zebrafish Development
Zhang Xiaoshun, Ji Qiuyi, Xiang Yang, Xu Yongjie, Song Shanshan, Meng Xiaojing
- 243 Exposure Risk Assessment for Dietary Cyanamide in Grape Based on Residual Characteristics in Producing Areas of China
Li Suzhen, Kang Shanshan, Liu Fengjiao, Li Li, Zhao Lilin, Li Wei, Chen Zenglong

252 Effects of Seawater Aeration on Marine Microbial Communities and Antibiotic Resistance Genes

Lin Xuyin, Wang Yan, Xu Min, Zhang Zhenyan, Qian Haifeng

262 Uncertainty Studies in Determination and Assessment of Acute Toxicity of Wastewater and Its Improvement Method

Lin Jianhui, Wu Xinying, Lai Wei, Li Jianwei, Fan Xueying, Lu Jiahui, Mei Chengfang, Yang Xunan

275 Chronic Toxic Effects of Kresoxim-methyl during Zebrafish Early Life Stage

Hu Haoze, Wang Luyan, Li Yeqing, Zhang Changpeng, Zhao Xueping, Zhang Xin, Jiang Jinhua

286 Biotoxic Effect of Oil-based Drilling Cuttings on Maize in Shale Gas Development in Southern Sichuan

Liang Min, Zhu Tianju, Xie Guilin, Huang Tao