

☆ 中文核心期刊

☆ 中国科技核心期刊 (CSTPCD)

☆ 《国家哲学社会科学学术期刊数据库》(NSSD) 收录

★ 国际检索: Scopus、CSA: NS、AJ、CABI、ZR、JST、IC、EBSCOhost 等

☆ 中国科学引文数据库 (CSCD) 收录

☆ RCCSE 中国核心学术期刊

## 目次

第 35 卷 第 6 期 2022 年 6 月

### 主编约稿

- 有机污染物的高铁酸盐氧化去除强化技术研究进展 ..... 李宇, 程和发 (1323)  
海洋塑料垃圾污染国际治理进程与对策 ..... 安立会, 李欢, 王菲菲, 邓义祥, 许秋瑾 (1334)

### 大气环境

- 我国夏季不同类型植被 BVOCs 排放观测与模拟研究 ..... 王楚迪, 节龙飞, 李苗苗, 王添文, 高阔, 李玲玉 (1341)  
黄河三角洲典型城市夏季臭氧污染特征与敏感性分析 ..... 赵敏, 申恒青, 陈天舒, 李吉东, 孙忠泉, 纪元元, 薛丽坤, 李红, 王文兴, 尚凡一 (1351)  
华南背景山区云中草酸的形成机制及影响因素 ..... 蔡晓銮, 孙伟, 张国华, 胡晓东, 郭子雍, 毕新慧, 王新明 (1362)  
基于连续排放监测数据的水泥工业 NO<sub>x</sub> 达标判定方法研究 ..... 周舟, 张孟琪, 王宗爽, 周羽化, 郭敏, 雷晶, 谭玉菲, 武雪芳 (1371)  
基于无人机-吸附管采样技术研究化工园区大气 VOCs 垂直廓线 ..... 施康丽, 庞小兵, 李晶晶, 陈浪, 袁锴彬, 戴上, 王帅哥, 陈建孟 (1378)  
大豆油加工行业 VOCs 排放特征及管控对策 ..... 姚震, 吴宇峰, 杜展霞, 王效国, 安小栓, 聂磊 (1388)

### 水环境

- 磷限制条件下单胞藻胞内磷储量差异机理研究 ..... 魏晓雪, 田晨, 冯剑丰, 朱琳 (1398)  
河流氮磷和水量输入对太湖富营养化的影响机理研究 ..... 胡晓燕, 朱元荣, 孙福红, 陶艳茹, 高可伟, 马蕙蕙, 蒋娟, 郑小杰 (1407)  
密云水库周边小流域大气氯磷沉降特征研究 ..... 陈海涛, 王晓燕, 黄静宇, 黄洁钰, 南哲, 任佳雪 (1419)  
光激发下硝酸纤维素膜降解对乙酰氨基酚的光解影响 ..... 武俐, 刘兴勇, 李啸林, 赵同谦, 代志峰 (1432)

C-N共掺杂固废衍生沸石的制备及其活化过一硫酸盐降解水中四环素的研究

刘锐,胡婷婷,冯文巍,赵董萍,谢汝桢(1440)

聚合氯化铝-镧改性膨润土的制备及除磷除藻研究 慕利梅,王图锦,曹琳,许国静(1450)

## 生态环境

海水入侵区含水层中原核微生物多样性和群落结构特征及其意义

桑石磊,黄柏强,王永智,刘华雪,许莉佳,张晋(1458)

## 土壤与固废

生物炭对紫色土中氟苯尼考吸附与迁移的影响 李嘉慧,欧阳峰,郑世界,刘欣雨,何杨,任帅帆(1467)

基于 $\text{Fe}^{3+}$ /EDTA-2Na的类芬顿对剩余污泥脱水性能的影响

徐文迪,何茜,常沙,张东,明铁山,张艳丽,朱洪岐(1475)

典型农药污染地块土壤中异味物质的筛查与分布特征研究

马妍,郑红光,史怡,张帆,姚珏君,赵威光,杜晓明(1482)

膜浓缩液淋滤飞灰重金属迁移特性及化学形态变化特征

黄楠楠,吴昊,田书磊,王庆旭,李娜,周秀艳(1490)

海滨危废填埋场与水源缓冲距离要求及调控 吉栋梁,张鲁玉,黄兆琴,杜布云,徐亚,杨枫(1499)

## 环境污染与健康

高效氟吡甲禾灵对海洋生物的急性毒性与水质基准推导

秦璐,宋秀凯,刘丽娟,马元庆,姜向阳,王宁,汝少国,王军(1509)

生态环境损害鉴定评估启动的驱动因素与机制完善:基于949个案例的实证研究

丁霖,余文梦,竺效(1519)

## 环境经济与管理

碳中和下水泥行业低碳发展技术路径及预测研究 罗雷,郭旸旸,李寅明,张增寿,朱廷钰(1527)

钢铁企业低碳技术评价选择与应用 李庄,许友静,易文杰,黄懿,刘兴旺,李翔(1538)

## 信息

《环境科学研究》第六届编委会名单(封二)

“PM<sub>2.5</sub>与臭氧协同控制”专题征稿启事(封三)



# Contents

A series of grey chevron-like arrows pointing to the left, located to the right of the journal title.

Vol.35 No.6 June 2022

## Editor-in-Chief Invited

- Research Progress in Enhanced Technologies for Organic Pollutant Removal by Ferrate Oxidation ..... LI Yu, CHENG Hefa (1323)  
International Governance Progress in Marine Plastic Litter Pollution and Policy Recommendations ..... AN Lihui, LI Huan, WANG Feifei, DENG Yixiang, XU Qiujin (1334)

## Atmospheric Environment

- Observation and Simulation of BVOCs Emission from Different Vegetation Types in Summer in China ..... WANG Chudi, JIE Longfei, LI Miaomiao, WANG Tianwen, GAO Kuo, LI Lingyu (1341)  
Characteristics and Sensitivity Analysis of Ozone in the Representative City of the Yellow River Delta in Summer ..... ZHAO Min, SHEN Hengqing, CHEN Tianshu, LI Jidong, SUN Zhongquan, JI Yuanyuan, XUE Likun, LI Hong, WANG Wenxing, SHANG Fanyi (1351)  
Formation Mechanism of Oxalic Acid in Cloud Water and Influencing Factors in Background Mountainous Area of Southern China ..... CAI Xiaoluan, SUN Wei, ZHANG Guohua, HU Xiaodong, GUO Ziyong, BI Xinhui, WANG Xinming (1362)  
Assessment Method of Compliance with NO<sub>x</sub> Emission Limits of Cement Industry Based on CEMS Data ..... ZHOU Zhou, ZHANG Mengqi, WANG Zongshuang, ZHOU Yuhua, GUO Min, LEI Jing, TAN Yufei, WU Xuefang (1371)  
Vertical Profiles of Atmospheric VOCs in Chemical Industry Park Based on UAV-Adsorption Tube Sampling Technique ..... SHI Kangli, PANG Xiaobing, LI Jingjing, CHEN Lang, YUAN Kaibin, DAI Shang, WANG Shuaiqi, CHEN Jianmeng (1378)  
VOCs Emission Characteristics and Control Strategy for Edible Soybean Oil Production Industry ..... YAO Zhen, WU Yufeng, DU Zhanxia, WANG Xiaoguo, AN Xiaoshuan, NIE Lei (1388)

## Water Environment

- Mechanism of Intracellular Phosphorus Storage Differences in Several Unicellular Algae under Phosphorus Limitation ..... WEI Xiaoxue, TIAN Chen, FENG Jianfeng, ZHU Lin (1398)  
Mechanism Research of the Effects of Water Quality (Nitrogen and Phosphorus Concentrations) and Water Volume on Eutrophication of Lake Taihu ..... HU Xiaoyan, ZHU Yuanrong, SUN Fuhong, TAO Yanru, GAO Kewei, MA Huihui, JIANG Juan, BING Xiaojie (1407)  
Dry and Wet Atmospheric Deposition of Nitrogen and Phosphorus in Small Catchment Around Miyun Reservoir ..... CHEN Haitao, WANG Xiaoyan, HUANG Jingyu, HUANG Jieyu, NAN Zhe, REN Jiaxue (1419)

- Influence of Photolysis on Acetaminophen via Nitrocellulose Membrane under Photoexcitation ..... WU Li, LIU Xingyong, LI Xiaolin, ZHAO Tongqian, DAI Zhifeng (1432)
- Fabrication of C-N Co-Doped Solid Waste-Based Zeolite for Treatment of Tetracycline in Water by Activation of Peroxymonosulfate ..... LIU Rui, HU Tingting, FENG Wenwei, ZHAO Dongping, XIE Ruzhen (1440)
- Preparation of Polyaluminum Chloride-Lanthanum Modified Bentonite and Study on Phosphorus and Algae Removal ..... MU Limei, WANG Tujin, CAO Lin, XU Guojing (1450)

### Ecological Environment

- Diversity and Structure of Prokaryotic Microbial Community in Seawater Intrusion Aquifers and Its Significance ..... SANG Shilei, HUANG Baiqiang, WANG Yongzhi, LIU Huaxue, XU Lijia, ZHANG Jin (1458)

### Soil and Solid Waste

- Effects of Biochar on Sorption and Transport of Florfenicol in Purple Soil ..... LI Jiahui, OUYANG Feng, ZHENG Shijie, LIU Xinyu, HE Yang, REN Shuaifan (1467)
- Effect of Fenton-Like Sludge Conditioner on Waste Activated Sludge Dewatering Performance Based on  $\text{Fe}^{3+}$ /EDTA-2Na ..... XU Wendi, HE Xi, CHANG Sha, ZHANG Dong, MING Tieshan, ZHANG Yanli, ZHU Hongqi (1475)
- Screening and Distribution Characteristics of Odorous Substances in Soil of Typical Pesticide-Contaminated Site ..... MA Yan, ZHENG Hongguang, SHI Yi, ZHANG Fan, YAO Juejun, ZHAO Weiguang, DU Xiaoming (1482)
- Migration and Morphological Characteristics of Heavy Metals in Fly Ash from Membrane Concentrate Leaching ..... HUANG Nannan, WU Hao, TIAN Shulei, WANG Qingxu, LI Na, ZHOU Xiuyan (1490)
- Buffering Distance between Coastal Hazardous Waste Landfill and Water Source and Its Regulation Strategy ..... JI Dongliang, ZHANG Luyu, HUANG Zhaoqin, DU Buyun, XU Ya, YANG Feng (1499)

### Environmental Pollution and Health

- Acute Toxicity of Haloxyfop-P-methyl to Marine Species and Its Seawater Quality Criteria ..... QIN Lu, SONG Xiukai, LIU Lijuan, MA Yuanqing, JIANG Xiangyang, WANG Ning, RU Shaoguo, WANG Jun (1509)
- Driving Factors and Mechanism Improvement of Starting Identification and Assessment of Eco-Environmental Damage: An Empirical Study Based on 949 Cases ..... DING Lin, YU Wenmeng, ZHU Xiao (1519)

### Environmental Economy and Management

- Research on Low-Carbon Development Technology Path and Forecast of Cement Industry under Carbon Neutral Situation ..... LUO Lei, GUO Yangyang, LI Yinming, ZHANG Zengshou, ZHU Tingyu (1527)
- Evaluation, Selection and Application of Low-Carbon Technology in Iron and Steel Enterprises ..... LI Zhuang, XU Youjing, YI Wenjie, HUANG Yi, LIU Xingwang, LI Xiang (1538)

