



ISSN 1001-6929
CN 11-1827 / X
CODEN HKYAEZ

第35卷 第5期 (Vol.35 No.5)

2022 / 05

环境科学研究

Research of Environmental Sciences

主编
约稿

1

基于文献计量分析的
近40年国内外环境影响
评价研究进展

特色
专题

污染场地修复后
土壤与场地安全利用
监管技术和
标准研究

2

大气生物气溶胶
花粉单颗粒的形貌特征
及吸湿特性研究



0.5>

9 771001 692228

中华人民共和国生态环境部 主管

中国环境科学研究院 主办

- ☆ 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 5 期 2022 年 5 月

主编约稿

- 基于文献计量分析的近 40 年国内外环境影响评价研究进展……………李海生, 李小敏, 赵玉婷, 薛 婕, 詹丽雯 (1091)
- 大气生物气溶胶花粉单颗粒的形貌特征及吸湿特性研究
……………贾 嘉, 宋晓焱, 滕晓咪, 罗伊琳, 徐 亮, 袁 琦, 李卫军 (1102)

污染场地修复后土壤与场地安全利用监管技术和标准研究专题

- 近 10 年来我国污染场地再利用的案例分析与环境管理意义
……………于靖靖, 梁 田, 罗会龙, 王盼盼, 杨 宾, 王丽娜, 李发生 (1110)
- 地下水修复的技术不可达性及美国管理对策对我国的启示
……………张丽娜, 姜 林, 贾晓洋, 夏天翔, 梁 竞, 朱笑盈, 刘文晓 (1120)
- 固化/稳定化修复后场地中铬的环境行为和归趋: 以我国中部某修复后场地为例
……………冯明玉, 韦黎华, 胡 清, 王 宏, 罗 培 (1131)
- 我国污染场地化学氧化修复技术应用特征及再利用潜在腐蚀风险分析
……………王珍霞, 宋久浩, 苑文仪, 李 翔, 吴乃瑾, 李 艺, 李培中 (1140)
- 淹水和干湿交替对修复后土壤铬的稳定性影响研究……………常春英, 曹浩轩, 陶 亮, 刘丽丽, 陈文洁, 吕贻忠 (1150)
- 氯代烃污染场地原位热脱附降温阶段土壤气相污染富集与分布特征
……………李慧颖, 王盼盼, 刘 鹏, 李发生, 曹云者 (1159)

大气环境

- 我国重型柴油货车黑碳排放影响因素分析
……………王燕军, 穆劲松, 吉 喆, 苏 盛, 李 凯, 倪 红, 姜 艳, 张鹤丰 (1169)
- 法规工况下轻型汽油车氨排放特征……………吉江林, 赵海光, 郑 丰, 尹 航, 丁 焰, 何 超 (1176)
- 基于 CMAQ/ISAM 空气质量模型的北京市夏季臭氧来源解析研究
……………张树究, 李 洋, 张众志, 杜晓惠, 徐双喜, 孟 凡 (1183)

河南省某典型垃圾焚烧发电厂的 VOCs 排放特征

.....陈 纯, 李鹏钊, 董瑞泽, 闫良玉, 刘 丹, 郝新奇, 毛 景 (1193)

水环境

汉江(丹江口坝下-兴隆段)水体中微塑料的赋存特征.....张 胜, 林 莉, 潘 雄, 董 磊 (1203)

光照强度对丝状藻去除再生水中氮磷的影响.....杨宇航, 边雪强, 孙翠竹, 姜晓华, 单 欣, 李锋民 (1211)

“可再生”聚羧酸盐凝胶-碱复合净水材料的原位合成及应用.....李红艳, 杨启文, 胡梦涵, 白 钰, 余义开 (1221)

响应面法优化多级 A/O+BAF 系统处理生活污水强化脱氮除磷

.....张民安, 袁忠玲, 张 明, 秦彦荣, 吴新波, 赵凯亮, 陈永志 (1233)

两级 A/O 工艺处理焦化废水有机污染物转化特征及细菌群落响应

.....邹晓爽, 李 江, 李彦澄, 王 斌, 易倩文, 张云涛, 代永恒 (1245)

生态环境

玛瑙河干流大型底栖动物群落结构特征分析及水生态评价

.....熊伟唯, 李卫明, 陈圣盛, 张 坤, 张续同, 刘子健 (1257)

基于微分变换的湿地植物高光谱全氮反演.....黎 舟, 杨思林, 刘云根, 王 妍, 张 超, 肖羽芯, 徐红枫 (1268)

不同基质组合对氮磷吸附能力的研究.....肖其亮, 熊丽萍, 彭 华, 朱 坚, 简 燕, 贾金龙, 纪雄辉 (1277)

土壤与固废

固体废物全过程精细化环境风险评估框架研究

.....方 文, 黄玉洁, 刘苗苗, 黄 蕾, 马宗伟, 刘建国, 毕 军 (1288)

基于地下水入渗地下室情景的蒸气入侵暴露模型研究

.....姜登登, 陈 楠, 周 艳, 陈 云, 范婷婷, 孔令雅, 李旭伟, 邓绍坡, 龙 涛 (1297)

环境污染与健康

聚苯乙烯微塑料和纳米塑料对蓼花臂尾轮虫有性生殖的毒性影响

.....陈 涛, 徐晓平, 李彬彬, 陶开燕, 谢 安, 黄志鹏 (1306)

镉暴露对斑马鱼胚胎发育的毒性效应研究.....罗紫蝶, 郭少娟, 曾 晨, 张元元, 王睿虹, 杨立新 (1315)

信息

《环境科学研究》第六届编委会名单(封二)

2022 年六五环境日宣传(暗 1)

“减污降碳协同增效”专刊征稿启事(封三)



Editor-in-Chief Invited

- Environmental Impact Assessment Research in Domestic and Foreign Literature in Past Four Decades Based on Scientometric Reviews LI Haisheng, LI Xiaomin, ZHAO Yuting, XUE Jie, ZHAN Liwen (1091)
- Morphological Characteristics and Hygroscopicity of Atmospheric Bioaerosol Pollen Single Particles JIA Jia, SONG Xiaoyan, TENG Xiaomi, LUO Yilin, XU Liang, YUAN Qi, LI Weijun (1102)

Post-Remediation Management Strategies and Standards for the Safe Reuse of Contaminated Soil and Sites

- Case Analysis and Environmental Management Significance of Contaminated Site Reuse in China from 2011 to 2021 YU Jingjing, LIANG Tian, LUO Huilong, WANG Panpan, YANG Bin, WANG Lina, LI Fasheng (1110)
- Technical Impracticability of Groundwater Remediation and Management Countermeasures in the USA and Lessons Learned for China ZHANG Lina, JIANG Lin, JIA Xiaoyang, XIA Tianxiang, LIANG Jing, ZHU Xiaoying, LIU Wenxiao (1120)
- Environmental Behavior and Fate of Chromium in Solidification/Stabilization Post-Remediation Sites: A Case Study of a Remediation Site in Central China FENG Mingyu, WEI Lihua, HU Qing, WANG Hong, LUO Pei (1131)
- Application Characteristics and Potential Corrosion Risks of Chemical Oxidation Remediation Technology for Contaminated Sites in China WANG Zhenxia, SONG Jiu hao, YUAN Wenyi, LI Xiang, WU Naijin, LI Yi, LI Peizhong (1140)
- Effects of Flooding and Dry-Wet Alternation on the Stability of Chromium(Cr) in Soil after Solidification/Stabilization Remediation CHANG Chunying, CAO Haoxuan, TAO Liang, LIU Lili, CHEN Wenjie, LÜ Yizhong (1150)
- Enrichment and Distribution Characteristics of Soil Gas-Phase Contamination in Cooling Stage of *In-situ* Thermal Desorption at Chlorinated Hydrocarbon Contaminated Site LI Huiying, WANG Panpan, LIU Peng, LI Fasheng, CAO Yunzhe (1159)

Atmospheric Environment

- Analysis of Parameters Influencing Black Carbon Emissions from Heavy-Duty Diesel Trucks in China WANG Yanjun, MU Jinsong, JI Zhe, SU Sheng, LI Kai, NI Hong, JIANG Yan, ZHANG Hefeng (1169)
- Ammonia Emission Characteristics for the Light-Duty Gasoline Vehicle under Regulatory Cycles JI Jianglin, ZHAO Haiguang, ZHENG Feng, YIN hang, DING Yan, HE Chao (1176)
- Source Apportionment of Ozone in Summer in Beijing Based on CMAQ/ISAM Air Quality Model ZHANG Shuxian, LI Yang, ZHANG Zhongzhi, DU Xiaohui, XU Shuangxi, MENG Fan (1183)
- VOCs Emission Characteristics of a Typical Domestic Waste Incineration Power Plant in Henan Province, China CHEN Chun, LI Pengzhao, DONG Ruize, YAN Liangyu, LIU Dan, HAO Xinqi, MAO Jing (1193)

Water Environment

- Characteristics of Microplastics in Water of the Hanjiang River (Below the Danjiangkou Dam-Xinglong Section)
..... ZHANG Sheng, LIN Li, PAN Xiong, DONG Lei (1203)
- Effect of Light Intensity on Nitrogen and Phosphorus Removal from Reclaimed Water by Filamentous Algae
..... YANG Yuhang, BIAN Xueqiang, SUN Cuizhu, JIANG Xiaohua, SHAN Xin, LI Fengmin (1211)
- In-situ* Synthesis and Application of Novel Renewable Polycarboxylate Gel-Alkali Composite Water-Purification Material
..... LI Hongyan, YANG Qiwen, HU Menghan, BAI Yu, YU Yikai (1221)
- Optimizing Multi-Stage A/O+BAF System by Response Surface Methodology for Treating Domestic Sewage Enhance Nitrogen and Phosphorus Removal
..... ZHANG Min'an, YUAN Zhongling, ZHANG Ming, QIN Yanrong, WU Xinbo, ZHAO Kailiang, CHEN Yongzhi (1233)
- Two-Stage Anoxic/Oxic(A/O) Process to Remove Organic Pollutants and Bacterial Community in Coking Wastewater
..... ZOU Xiaoshuang, LI Jiang, LI Yancheng, WANG Bin, YI Qianwen, ZHANG Yuntao, DAI Yongheng (1245)

Ecological Environment

- Community Structure and Aquatic Ecological Evaluation of Macroinvertebrates in Manao River
..... XIONG Weiwei, LI Weiming, CHEN Shengsheng, ZHANG Kun, ZHANG Xutong, LIU Zijian (1257)
- Hyperspectral Total Nitrogen Inversion of Wetland Plants Based on Differential Transformation
..... LI Zhou, YANG Silin, LIU Yungen, WANG Yan, ZHANG Chao, XIAO Yuxin, XU Hongfeng (1268)
- Nitrogen and Phosphorus Adsorption Capacity of Different Substrate Combinations
..... XIAO Qiliang, XIONG Liping, PENG Hua, ZHU Jian, JIAN Yan, JIA Jinlong, JI Xionghui (1277)

Soil and Solid Waste

- A Refined Framework on Assessing Whole-Process Environmental Risk of Solid Waste in China
..... FANG Wen, HUANG Yujie, LIU Miaomiao, HUANG Lei, MA Zongwei, LIU Jianguo, BI Jun (1288)
- Vapor Intrusion Model Based on Groundwater Infiltration Basement Scenario JIANG Dengdeng,
CHEN Qiang, ZHOU Yan, CHEN Yun, FAN Tingting, KONG Lingya, LI Xuwei, DENG Shaopo, LONG Tao (1297)

Environmental Pollution and Health

- Effects of Polystyrene Microplastics and Nanoplastics on Sexual Reproduction of Rotifer *Brachionus calyciflorus*
..... CHEN Tao, XU Xiaoping, LI Binbin, TAO Kaiyan, XIE An, HUANG Zhipeng (1306)
- Toxic Effects of Cadmium Exposure on Zebrafish Embryo Development
..... LUO Zidie, GUO Shaojuan, ZENG Chen, ZHANG Yuanyuan, WANG Ruihong, YANG Lixin (1315)

