



- ☆ 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 32 卷 第 3 期 2019 年 3 月

### 专论

- 基于 LEAP 模型的京津冀地区钢铁行业中长期减排潜力分析…………… 李 新, 路 路, 穆献中, 秦昌波 (365)
- 西北煤炭开发生态风险管控区划分及管理策略  
…………… 赵玉婷, 邹广迅, 董林艳, 姚懿函, 李小敏, 马建锋, 李亚飞 (372)

### 展望

- 国内外涂料制造工业挥发性有机物排放标准比较…………… 邹文君, 刘 杰, 鲍仙华, 修光利 (380)

### 京津冀

- 海陆风对天津市 PM<sub>2.5</sub> 和 O<sub>3</sub> 质量浓度的影响…………… 孟丽红, 李英华, 韩素芹, 郝天依 (390)
- 天津市道路车流量特征分析…………… 赵静琦, 姬亚芹, 李越洋, 张 蕾, 王士宝 (399)

### 长江经济带

- 南京地区污水厂、自来水厂及长江中抗性基因 *MCR-1* 和 *NDM-1* 的污染特征  
…………… 曹振华, 张 媛, 马 奔, 王新宇, 王若楠, 黄雅梦, 袁青彬 (406)
- 调蓄经济植物湿地技术在农田径流污染控制中的工程应用及评价…………… 叶碧碧, 李 丹, 侯泽英, 储昭升 (415)
- 基于微生物完整性指数的苏州市湿地健康评价…………… 朱文婷, 钱 玮, 于 森, 宣雄智 (423)



一带一路

中国西北地区 NPP 变化及其对干旱的响应分析…………… 张振宇, 钟瑞森, 李小玉, 孙浩 (431)

研究

南京北郊地区昼夜大气 PM<sub>2.5</sub> 中硫同位素的组成及来源

…………… 张海潇, 沈潇雨, 郭照冰, 郭庆军, 陈善莉, 柏杨, 王瑾瑾 (440)

北京市主要河流鱼类群落的空间格局特征

…………… 杜龙飞, 徐建新, 李彦彬, 渠晓东, 刘猛, 张敏, 余杨 (447)

汤旺河国家公园不同演替阶段森林土壤细菌多样性变化规律

…………… 杨立宾, 隋心, 崔福星, 朱道光, 宋翰林, 倪红伟 (458)

典型肥料生产场地氨氮分布特征及风险控制目标确定

…………… 谢雨呈, 谭长银, 张朝, 王积才, 王梅, 杨敏, 郭观林 (465)

地下水位波动及降水对原油在非均质土层中重分布的影响

…………… 杨楠柠, 潘玉英, 童森炜, 杨建丰, 吴文字, 俞晔伟, 张茜 (475)

施用餐厨垃圾调理剂对果园土壤有机碳组分的影响

…………… 贾璇, 赵冰, 任连海, 李鸣晓, 张晓慧, 侯佳奇, 何翎 (485)

超声波提取-电气相色谱氢火焰测定土壤中六溴环十二烷…………… 王馨蕾, 崔兆杰 (493)

碱溶液中 DMPO-OH 加合物 EPR 信号形成研究

…………… 曾丹, 王彬, 白英臣, 湛书, 董发勤, 朱静平, 黄胜 (500)

糠醛渣对水中甲基橙的吸附性能…………… 张霞, 陈小燕, 刘奎发, 刘万毅 (507)

荷梗生物炭理化性质及其对水中 Cd 的吸附机制

…………… 代兵, 谭长银, 曹雪莹, 谢雨呈, 朱上游, 柏佳, 彭曦 (513)

壳聚糖改性 4A 沸石分子筛颗粒去除低温水中硝酸盐的机理研究

…………… 郜玉楠, 周历涛, 茹雅芳, 王静, 孙美乔, 傅金祥 (523)

基于情景模糊动态 MABAC 的可再生能源选择方法…………… 彭定洪, 黄子航, 罗雪, 王铁旦 (532)

信息

《环境科学研究》第五届编委会名单 (封二)

征稿启事 (封三)





**SPECIALS**

- Emission Reduction Potential of Pollutants Emissions from Iron and Steel Industry over Beijing-Tianjin-Hebei Region based on LEAP..... LI Xin, LU Lu, MU Xianzhong, QIN Changbo (365)
- Division and Management Strategy of Regional Ecological Risk Control Zonation for Coal Exploitation and Utilization in Northwest China... ZHAO Yuting, ZOU Guangxun, DONG Linyan, YAO Yihan, LI Xiaomin, MA Jianfeng, LI Yafei (372)

**PROSPECT**

- Comparison of Emission Standards of Volatile Organic Compounds for Coating Industry in Domestic and Foreign Areas ..... ZOU Wenjun, LIU Jie, BAO Xianhua, XIU Guangli (380)

**BEIJING-TIANJIN-HEBEI REGION**

- Influence of Sea-Land Breeze on the Concentrations of PM<sub>2.5</sub> and O<sub>3</sub> in Tianjin City ..... MENG Lihong, LI Yinghua, HAN Suqin, HAO Tianyi (390)
- Distribution Characteristics of Traffic Volume for Typical Roads in Tianjin City ..... ZHAO Jingqi, JI Yaqin, LI Yueyang, ZHANG Lei, WANG Shibao (399)

**YANGTZE RIVER ECONOMIC ZONE**

- Pollution Characteristics of *MCR-1* and *NDM-1* in Wastewater Treatment Plants, Waterworks and Yangtze River of Nanjing Section ..... CAO Zhenhua, ZHANG Yuan, MA Ben, WANG Xinyu, WANG Ruonan, HUANG Yameng, YUAN Qingbin (406)
- Application of Storing Economic Constructed Wetland in the Treatment of Contaminated Water from Farmland Runoff ..... YE Bibi, LI Dan, HOU Zeying, CHU Zhaosheng (415)
- Health Evaluation of Wetlands in Suzhou City based on Microbiome Index of Biotic Integrity ..... ZHU Wenting, QIAN Wei, YU Miao, XUAN Xiongzhi (423)

**BELT AND ROAD INITIATIVE**

- Change of NPP and Its Response to Drought in Northwest China ..... ZHANG Zhenyu, ZHONG Ruisen, LI Xiaoyu, SUN Hao (431)
-



**RESEARCH**

- Investigations on Sulfur Isotopic Compositions of Day and Night in Atmospheric PM<sub>2.5</sub> in the Northern Suburb of Nanjing City..... ZHANG Haixiao, SHEN Xiaoyu, GUO Zhaobing, GUO Qingjun, CHEN Shanli, BAI Yang, WANG Jinjin (440)
- Fish Community Characteristics and Spatial Pattern in Major Rivers of Beijing City  
..... DU Longfei, XU Jianxin, LI Yanbin, QU Xiaodong, LIU Meng, ZHANG Min, YU Yang (447)
- Soil Bacterial Diversity between Different Forest Successional Stages in Tangwanghe National Park  
..... YANG Libin, SUI Xin, CUI Fuxing, ZHU Daoguang, SONG Hanlin, NI Hongwei (458)
- Characteristics of Ammonia-Nitrogen Distribution and Determination of Risk Control Targets at an Abandoned Fertilizer Production Site  
..... XIE Yucheng, TAN Changyin, ZHANG Chao, WANG Jicai, WANG Mei, YANG Min, GUO Guanlin (465)
- The Influence of Water Table Fluctuation and Rainfall on Redistribution of Crude Oil in Heterogeneous Soil  
..... YANG Nanning, PAN Yuying, TONG Senwei, YANG Jianfeng, WU Wenyu, YU Yewei, ZHANG Qian (475)
- Effects of Food Waste Soil Conditioner on Organic Carbon Distribution in Orchard Soil  
..... JIA Xuan, ZHAO Bing, REN Lianhai, LI Mingxiao, ZHANG Xiaohui, HOU Jiaqi, HE Ling (485)
- Determination of Hexabromocyclododecane in Soil by an Ultrasonic Extraction-Gas Chromatography with FID Method  
..... WANG Xinlei, CUI Zhaojie (493)
- Study on EPR Signal Formation of DMPO-OH Adduct in Alkali Solution  
..... ZENG Dan, WANG Bin, BAI Yingchen, CHEN Shu, DONG Faqin, ZHU Jingping, HUANG Sheng (500)
- Adsorption of Methyl Orange by Furfural Residue..... ZHANG Xia, CHEN Xiaoyan, LIU Kuifa, LIU Wanyi (507)
- Physicochemical Properties of Biochar Derived from Lotus Petiole and Its Adsorption Mechanism of Cadmium in Aqueous Solution.....DAI Bing, TAN Changyin, CAO Xueying, XIE Yucheng, ZHU Shangyou, BAI Jia, PENG Xi (513)
- Mechanism of Nitrate Removal in Drinking Water by 4A Zeolite Molecular Sieve Modified with Chitosan at Low Temperature  
..... GAO Yunan, ZHOU Litao, RU Yafang, WANG Jing, SUN Meiqiao, FU Jinxiang (523)
- Renewable Energy Selection Method based on Picture Fuzzy Dynamic MABAC  
..... PENG Dinghong, HUANG Zihang, LUO Xue, WANG Tiedan (532)

