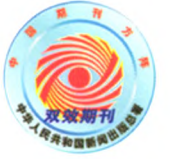


# 环境工程

ISSN 1000-8942  
CN 11-2097/X  
CODEN HGONEU



主办 中冶建筑研究总院有限公司 中国环境科学学会环境工程分会

**MCC** 中冶建筑研究总院有限公司  
Central Research Institute of Building and Construction Co., Ltd. MCC Group



ENVIRONMENTAL  
ENGINEERING

2015.3

33卷 | 第201期



万方数据

## 水污染防治

- 1 微生物燃料电池及其在废水/废弃物处理中的应用
- 6 准好氧生物反应器填埋系统渗滤液变化特性研究
- 11 原位生态修复技术在城市河道中的应用
- 17 臭氧催化氧化法处理含酚废水的研究进展
- 21 硝化菌载体低温处理生活污水中试
- 25 疏水性 SiO<sub>2</sub> 气凝胶吸附水溶液中有机物的研究进展
- 29 EOM 工艺处理高浓度养猪废水工程实例
- 33 改进的混凝气浮装置处理 ABS 凝聚干燥废水研究
- 37 蚯蚓土壤填料生态滤池处理生活污水
- 42 复合垂直流人工湿地的生物强化技术研究
- 45 油田采出液乳化程度的影响因素试验研究
- 50 水生植物材料与传统植物材料吸油性能比较
- 56 流光放电等离子体污水消毒灭菌
- 60 潜流-垂直流改进型人工湿地处理河道水的研究

- 戚姣琴 朱亮 徐向阳, 等  
丁婧 雷洋
- 王亚艳 张剑刚 倪鹏平, 等
- 石岩 邓淑仪 许丹宇, 等
- 赵雪莲 娄高彬 李宗慧, 等
- 朱东波 李玲密 李新红, 等  
夏灵敏
- 何绪文 石靖靖 门坤阔, 等
- 马长德 吕厚甫 卢金玉, 等  
钟涛 马利民
- 翁艺斌 阎光绪 李敏, 等
- 陈泽芳 杨旭楠 吴群河  
钟璐 胡小吐
- 向衡 韩芸 潘瑞玲, 等

## 大气污染防治

- 65 湿式静电除尘器在火电厂大型机组中的应用
- 69 机场大气污染研究现状综述
- 73 武汉市与西安市颗粒物 PM<sub>10</sub>、PM<sub>2.5</sub> 的污染水平分析
- 77 布袋除尘器结构改进的数值模拟研究
- 82 硼铁合金烟气净化喷淋塔气液两相流数值模拟

- 金定强 舒喜 申智勇, 等
- 丁文杉 蔡良才 邵斌, 等
- 张丽华 武捷春 包玉海, 等
- 毛锐 刘根凡 邓翔, 等
- 丁志江 刘碧涛 肖立春

## 固废处理与处置

- 88 纳米材料污染物在土体中运移的研究进展
- 92 基于 Matlab 分析的台阶式场地平整方案优化设计
- 97 含砷物料制备 As<sub>2</sub>O<sub>3</sub> 的研究进展
- 102 钢铁渣粉在混凝土中的应用研究
- 106 PEF 技术在污泥厌氧消化处理中的应用研究

- 张优龙 杨坪 薛守宝
- 苟剑锋 郝建青 曾正中, 等
- 王青 廖亚龙 周娟, 等  
阎文 陈闽蜀
- 李伟 梁美生 裴旭倩, 等

## 监测与评价

- 110 针对正态样本的模糊综合评价法在巢湖水质评价中的应用
- 113 基于改进 DRASTIC 模型、GIS 和层次分析法 (AHP) 的地下水 U(VI) 污染风险评价
- 118 建设工程绿色施工环境影响因素评价研究
- 122 蒲河流域污染源水污染物监测指标筛选研究
- 126 基于模糊专家系统的垃圾焚烧底灰重金属污染风险评价
- 131 AHP 与模糊评判法在垃圾填埋场选址中的应用对比
- 136 重金属环境标准样品发展现状及对策建议
- 141 电视、中波发射塔对电磁辐射环境的影响

- 张祺 景朝霞 刘焱, 等
- 江海浩 周书葵 陈朝猛, 等  
李翔玉 孙剑 瞿启忠
- 由昆 王迪 傅金祥, 等
- 张永强 吴卫宏 张海霞, 等  
霍攀 曹丽文 田艳凤
- 孙自杰 田衍 刘涛, 等
- 黄景 姚卫华 董峰, 等

## 清洁生产与节能减排

- 145 天津某食用油企业的能源审计实践
- 149 基于 DEA 模型对循环经济产业链的构建和优化
- 153 治霾背景下浅层地温能产业化发展研究

- 刘明慧 于宏兵 李红娜, 等
- 吴军年 孟菁华 吴梦, 等  
汪霄 李曼

## 土壤修复

- 158 农牧交错带土地利用格局演变研究进展
- 163 生物法合成纳米铁的研究进展

- 杨阳 宋乃平 刘秉儒, 等
- 刘清 张美 韩科昌, 等

# 2015 – 3

## CONTENTS

- 1 Microbial Fuel Cells and Its Application in Biological Wastewater/ Waste Treatment Qi Jiaoqin, Zhu Liang, Xu Xiangyang, et al
- 6 Research on Semi-Aerobic Bioreactor Landfill System: Leachate Characteristics Ding Jing, Lei Yang
- 11 Application Researches on In-Situ Ecological Restoration Technology in Polluted Urban River Wang Yayan, Zhang Jiangan, Ni Pengping, et al
- 17 Research Progress of Phenolic Wastewater Treatment by Catalytic Ozonation Shi Yan, Deng Shuyi, Xu Danyu, et al
- 21 Study on Sewage Treatment of Gel-Embedded Nitro bacteria Carriers at Low Temperature Zhao Xuelian, Lou Gaobin, Li Zonghui, et al
- 25 Research on Adsorption of Organic Compounds from Aqueous Solutions by Hydrophobic SiO<sub>2</sub> Aerogel Zhu Dongbo, Li Lingmi, Li Xinhong, et al
- 29 The Project Case of Treatment of High Concentration Piggery Wastewater by a Combined Process of EOM Xia Lingmin
- 33 Sewage Disposal of Acrylonitrile-Butadiene-Styrene (ABS) Gelatinous Drying Section by a Modified Coagulation/ Air Flotation Device He Xuwen, Shi Jingjing, Men Kunkuo, et al
- 37 Study on Hybrid Soil Packing Vermifiltration for Treatment of Domestic Sewage Ma Changde, Lv Houfu, Lu Jinyu, et al
- 42 Biological Enhancement Technologies for Integrated Vertical Flow Constructed Wetland Zhong Tao, Ma Liming
- 45 Experimental Study on Influencing Factors of Emulsification Performance of Oilfield Produced Liquid Weng Yibin, Yan Guangxu, Li Min, et al
- 50 Comparison of Oil Sorption Capacity between Hydrophyte and Traditional Vegetable Sorbents Chen Zefang, Yang Xunan, Wu Qunhe
- 56 Sterilization for Wastewater by Streamer Corona Plasmas Zhong Lu, Hu Xiaotu
- 60 Study on Treatment of River Water by Improved Subsurface Flow-Vertical Flow Wetland Xiang Heng, Han Yun, Pan Ruiling, et al
- 65 Application of Wet Electrostatic Precipitator in High Capacity Thermal Power Generation Unit Jin Dingqiang, Shu Xi, Shen Zhiyong, et al
- 69 Research on Airport Air Pollution Status Ding Wenshan, Cai Liangcai, Shao Bin, et al
- 73 The Analysis of Pollution Level of Particles PM<sub>10</sub> and PM<sub>2.5</sub> in Wuhan and Xi'an Zhang LiHua, Wu Jiechun, Bao Yuhai, et al
- 77 Numerical Simulation Study on Structural Development of Bag Filter Mao Rui, Liu Genfan, Deng Xiang, et al
- 82 Numerical Simulation on Gas-liquid Phase Flow of Flue Gas Purification Spray Scrubber for Boron Ferroalloy Ding Zhijiang, Liu Bitao, Xiao Lichun
- 88 Researching Advances in Transportation of Nanomaterial Contaminants in Soil Zhang Youlong, Yang Ping, Xue Shoubao
- 92 Optimized Design of Terraced Field Grading Based on Matlab Gou Jianfeng, Hao Jianqing, Zeng Zhengzhong, et al
- 97 Reviewer on Preparation of Arsenic Oxide from Materials Containing Arsenic Wang Qing, Liao Yalong, Zhou Juan, et al
- 102 Application of Ground Iron and Steel Slag in Concrete Lv Wen, Chen Minshu
- 106 Research on Application of Pulsed Electric Field in Anaerobic Digestion of Sludge Li Wei, Liang Meisheng, Pei Xuqian, et al
- 110 Application of Fuzzy Comprehensive Evaluation Method on Normal Samples in Water Quality Assessment in Chaohu Lake Zhang Qi, Jing ZhaoXia, Liu Yi, et al
- 113 Risk Assessment on U(VI) to Groundwater Based on a Modified DRASTIC Model, GIS and AHP Method Jiang Haihao, Zhou Shukui, Chen Zhaomeng, et al
- 118 Evaluation of Environmental Factors on Green Construction for Construction Projects Li Xiangyu, Sun Jian, Qu Qizhong
- 122 Building of Monitoring Index System of Pollution Sources in Puhe Basin You Kun, Wang Di, Fu Jinxiang, et al
- 126 Pollution Risk Evaluation of Heavy Metals in Bottom ASH from MSWI Based on Fuzzy Expert System Zhang Yongqiang, Wu Weihong, Zhang Haixia, et al
- 131 Application and Comparison of AHP and Fuzzy Evaluation Method in Landfill Siting Huo Pan, Cao Liwen, Tian Yanfeng
- 136 Current Situation and Countermeasures on the Development on Heavy Metal Reference Materials Sun Zijie, Tian Kan, Liu Tao, et al
- 141 Influence of Television Tower and Medium Wave Tower on Electromagnetic Radiation Environment Huang Jing, Yao Weihua, Dong Feng, et al
- 145 Energy Audit for an Edible Oil Enterprise in Tianjin City Liu Minghui, Yu Hongbing, Li Hongna, et al
- 149 Building and Optimization of Circular Economy Industrial Chain Based on DEA Model Wu Junnian, Meng Jinghua, Wu Meng, et al
- 153 Research on Scale Development of Shallow Geothermal Energy Industry for Haze Wang Xiao, Li Man
- 158 The Current Status and Progresses of Changes in Land Use Pattern on Agro-Pastoral Ecotone of China Yang Yang, Song Naiping, Liu Bingru, et al
- 163 Research Progress on Biosynthesis of Iron Nanoparticles Liu Qing, Zhang Mei, Han Kechang, et al



# 环境保护

## 从你我开始



定价：20.00元

ISSN 1000-8942



9 771000 894159

03

# 环境工程

ENVIRONMENTAL ENGINEERING

万方数据

ISSN 1000-8942  
CN 11-2097/X

邮发代号：82-64  
广告许可证：京海工商广字8231号

