

ISSN 1672-2043

CN 12-1347/S

农业环境科学学报

JOURNAL OF AGRO-ENVIRONMENT SCIENCE

中文核心期刊
CODEN NHKXA7

Cu^{2+} 和 Zn^{2+} 在土壤电场中的极化对黑土胶体凝聚的影响

应用探针分子研究骨炭和木炭吸附诺氟沙星的机理

奶牛场粪污制备卧床垫料过程中物料性质及污染物含量的周年变化规律



2018年3月

第37卷第3期 Vol.37 No.3

农业部环境保护科研监测所 主办
中国农业生态环境保护协会



关注微信公众平台请扫二维码

万方数据



污染生态

- 基于典型污灌区土壤筛选耐盐、Cd 低吸收小麦品种 孟楠 安平 王萌 陈莉 郑涵 陈世宝(409)
P、Fe 及水分对土壤砷有效性和小麦砷吸收的影响 李思妍 史高玲 娄来清 蔡庆生(415)
硒砷交互作用对水稻幼苗生理特性及砷硒累积的影响 刘锦娣 熊双莲 马砾 高菲 涂书新(423)
外源硒对镉胁迫下菜心 Fe、Mn、Cu、Zn 吸收与转运的影响 刘帅 吴志超 赵亚荣 张卫杰 王富华(431)

土壤环境

- Cu²⁺和 Zn²⁺在土壤电场中的极化对黑土胶体凝聚的影响 高晓丹 徐英德 张广才 张昀 李嵩 李少博 安雨鑫 汪景宽(440)
柠檬酸强化低浓度 EDTA 对成都平原农田土壤铅和镉的淋洗效率 姚革 郭欣 王亚婷 钟钦梅 张世熔 何玉亭(448)
不同前处理方式下钠基蒙脱石对重金属镉的吸附研究 魏凤 徐怀洲 向春晓 刘颖 袁林 杨刚(456)
生物质炭固定化融合菌株 F14 方法的研究及其对芘的去除 张松侯 彭纪婷 刘阳 黄飞 秦梓菲 卢静(464)
应用探针分子研究骨炭和木炭吸附诺氟沙星的机理 陈广世 石炎 薛聪 邱宇平(471)
土壤中沙咪珠利降解特性和生物学效应 张稳 王亚利 王米 李银生 薛飞群(478)
黄土区露天煤矿排土场刺槐×油松复垦模式 17~22 年间群落生长动态 赵冰清 郭东罡 白中科(485)
稻作条件下不同施肥模式对盐碱化土壤细菌和古菌群落结构的影响 李明 马飞 肖国举(495)
热处理后水稻土溶解性有机质光谱特征的变化 庞燕华 陈莉娜 张晨 涂保华 张文艺 黄兆琴 胡林潮(505)

水体环境

- 水环境因子对磺胺类抗性基因 SulI 含量的影响 刘璐 刘萱 王华 赵慧敏 于春艳 冷金慧 耿聪 李章良(515)
东北典型湖泊沉积物氮磷和重金属分布特征及其污染评价研究 刘丽娜 马春子 张靖天 何卓识 霍守亮 席北斗(520)
凤眼莲根际耐 Cd、Zn 细菌的分离鉴定及对 Cd、Zn 去除效果研究 郭山 桂恒俊 陈翩 赵建伟 周文兵 万小琼 朱端卫(530)
包头南海湖沉积物有机碳空间分布特征 于玲红 王铭浩 李卫平 杨文焕 樊爱萍 苗春林(538)
东北沼泽湿地土壤中氨氧化微生物活性和丰度研究 谢月 梁红 宋立全 王清波 付东风 高大文(546)

废弃物处理及资源化利用

奶牛场粪污制备卧床垫料过程中物料性质及污染物含量的周年变化规律

..... 田雪力 翟中蕊 丁飞飞 杨凤霞 张克强(552)

猪粪厌氧发酵消化液回流体系微生物群落结构特征与产气关系研究

..... 孔德望 张克强 房 芳 高文萱 梁军锋 梁 雨 杜连柱(559)

生物质炭对城市污泥堆肥温室气体排放的影响 杨雨浛 易建婷 任小玉 蒋 越 陈 宏 张 成(567)

不同原料生物炭对铵态氮的吸附性能研究 宋婷婷 赖 欣 王知文 方 明 杨殿林 居学海 李 洁 张贵龙(576)

水稻秸秆及其厌氧消化残渣生物炭对 Cd(Ⅱ) 吸附性能研究 李金阳 郭海燕 沈 飞 邓仕槐(585)

生物炭负载 Fe₃O₄ 纳米粒子的制备与表征 江美琳 金 辉 邓 聰 王 思(592)

碳氮循环

干湿交替和模拟氮沉降对巴音布鲁克高寒湿地土壤 CO₂ 排放的影响

..... 包振宗 侯艳艳 朱新萍 赵成义 胡保安 贾宏涛 徐晓龙(598)

分析方法

自动 QuEChERS 方法结合液相色谱串联质谱对玉米中 133 种农药的多残留分析

..... 王济世 贺泽英 徐亚平 王 璐 彭 祎 刘潇威(605)

环境信息

《农业环境科学学报》2017 年审稿专家名录(封二、封三)

CONTENTS

(Monthly Started in 1982)

Vol.37 No.3 Mar. 20, 2018

JOURNAL OF AGRO-ENVIRONMENT SCIENCE

- Screening low-Cd wheat cultivars characterized with high salinity tolerance for typical sewage irrigation soils
..... MENG Nan, AN Ping, WANG Meng, CHEN Li, ZHENG Han, CHEN Shi-bao(409)
- Effects of P, Fe and water supply on arsenic availability in soil and accumulation in wheat seedlings
..... LI Si-yan, SHI Gao-ling, LOU Lai-qing, CAI Qing-sheng(415)
- Interactive effects of selenite and arsenite on physiological characteristics and accumulation of arsenic and selenium in rice seedlings
..... LIU Jin-chang, XIONG Shuang-lian, MA Shuo, GAO Fei, TU Shu-xin(423)
- Effects of selenium on the uptake and transport of trace elements by cadmium-stressed flowering Chinese cabbage
..... LIU Shuai, WU Zhi-chao, ZHAO Ya-rong, ZHANG Wei-jie, WANG Fu-hua(431)
- Effects of Cu²⁺ and Zn²⁺ polarization by electric fields on the colloid aggregation of black soil
..... GAO Xiao-dan, XU Ying-de, ZHANG Guang-cai, ZHANG Yun, LI Song, LI Shao-bo, AN Yu-xin, WANG Jing-kuan(440)
- Study on leaching of lead and cadmium in farmland soils by citric acid-enhanced low concentration EDTA in the Chengdu Plain
..... YAO Ping, GUO Xin, WANG Ya-ting, ZHONG Qin-mei, ZHANG Shi-rong, HE Yu-ting(448)
- Research on Ca²⁺ adsorption using Na-montmorillonite through different pretreatment methods
..... WEI Feng, XU Huai-zhou, XIANG Chun-xiao, LIU Ying, YUAN Lin, YANG Gang(456)
- Degradation of pyrene by immobilized cells of fusant bacterial strain F14 using biochar
..... ZHANG Song, HOU Bin, JI Ting-ting, LIU Yang, HUANG Fei, QIN Zi-fei, LU Jing(464)
- Use of probing molecules for exploring norfloxacin adsorption mechanisms on bone-derived and wood-derived biochars
..... CHEN Guang-shi, SHI Yan, XUE Cong, QIU Yu-ping(471)
- The degradation properties and biological effects of *Ethanamizuril* in soils
..... ZHANG Wen, WANG Ya-li, WANG Mi, LI Yin-sheng, XUE Fei-qun(478)
- Community growth dynamics of *Robinia pseudoacacia* × *Pinus tabuliformis* reclamation pattern from the 17th to 22nd year in an open-pit coal mine waste dump in Loess area ZHAO Bing-qing, GUO Dong-gang, BAI Zhong-ke(485)
- Effect of varying fertilization patterns on bacteria and archaea communities in saline-alkali soil under rice cultivation
..... LI Ming, MA Fei, XIAO Guo-ju(495)
- Changes in the spectral characteristics of dissolved organic matter from paddy soil after heating
..... PANG Yan-hua, CHEN Li-na, ZHANG Sheng, TU Bao-hua, ZHANG Wen-yi, HUANG Zhao-qin, HU Lin-chao(505)
- Influence of water quality on sulfonamide resistance gene *SulI*
..... LIU Lu, LIU Xuan, WANG Hua, ZHAO Hui-min, YU Chun-yan, LENG Jin-hui, GENG Cong, LI Zhang-liang(515)
- Distribution characteristics of pollution from nitrogen, phosphorus, and heavy metals in sediments of Shankou Lake in Northeast China
..... LIU Li-na, MA Chun-zi, ZHANG Jing-tian, HE Zhuo-shi, HUO Shou-liang, XI Bei-dou(520)

- Isolation and identification of Cd- and Zn-resistant bacteria in the rhizosphere of *Eichhornia crassipes* and their effects on Cd and Zn removal GUO Shan, GUI Heng-jun, CHEN Pian, ZHAO Jian-wei, ZHOU Wen-bing, WAN Xiao-qiong, ZHU Duan-wei(530)
- Spatial distribution characteristics of the organic carbon insediments of Nanhai Lake in Baotou City YU Ling-hong, WANG Ming-hao, LI Wei-ping, YANG Wen-huan, FAN Ai-ping, MIAO Chun-lin(538)
- Activity and abundance of ammonia-oxidizing bacteria and ammonia-oxidizing archaea of marsh wetland soil in Northeast of China XIE Yue, LIANG Hong, SONG Li-quan, WANG Qing-bo, FU Dong-feng, GAO Da-wen(546)
- Annual variation of material properties and pollutant content in the process of dairy manure making bedding in dairy farm TIAN Xue-li, ZHAI Zhong-wei, DING Fei-fei, YANG Feng-xia, ZHANG Ke-qiang(552)
- Study of microbial community and biogas production in anaerobic digestion of pig manure with digested slurry recirculation KONG De-wang, ZHANG Ke-qiang, FANG Fang, GAO Wen-xuan, LIANG Jun-feng, LIANG Yu, DU Lian-zhu(559)
- Influences of biochar on greenhouse gas emissions during municipal sludge composting YANG Yu-han, YI Jian-ting, REN Xiao-yu, JIANG Yue, CHEN Hong, ZHANG Cheng(567)
- Adsorption of ammonium nitrogen by biochars produced from different biomasses SONG Ting-ting, LAI Xin, WANG Zhi-wen, FANG Ming, YANG Dian-lin, JU Xue-Hai, LI Jie, ZHANG Gui-long(576)
- Removal of aqueous Cd(II) by biochar derived from rice straw and its anaerobically digested residue LI Jin-yang, GUO Hai-yan, SHEN Fei, DENG Shi-huai(585)
- Preparation and characterization of nanoparticles containing Fe_3O_4 cores in biochar JIANG Mei-lin, JIN Hui, DENG Cong, WANG Si(592)
- Effect of alternating wetting and drying and simulated nitrogen deposition on soil CO_2 emission in alpine wetlands of Bayinbulak BAO Zhen-zong, HOU Yan-yan, ZHU Xin-ping, ZHAO Cheng-yi, HU Bao-an, JIA Hong-tao, XU Xiao-long(598)
- Multiresidue analysis of 133 pesticides in corn using automatic QuEChERS with LC-MS/MS WANG Ji-shi, HE Ze-ying, XU Ya-ping, WANG Lu, PENG Yi, LIU Xiao-wei(605)