

中国中文核心期刊
中国科技核心期刊

中国国际影响力优秀学术期刊
中国科学引文数据库核心库期刊

日本JST数据库期刊
广东省优秀期刊

ISSN 1674-5906

CN 44-1661/X

生态环境学报

ECOLOGY AND ENVIRONMENTAL SCIENCES

2017年9月 第26卷 第9期 Vol.26 No.9



只有一个地球，请关心和维护这个小小的行星

Only one earth, please care for and maintain the small planet



广东省土壤学会 主办
广东省生态环境技术研究所

<http://www.jeesci.com>
E-mail: editor@jeesci.com

生态环境学报

第26卷 第9期 2017年9月18日

目次

研究论文

- 杨树人工林生态系统凋落物生物量及其分解特征····· 葛晓敏, 唐罗忠, 王瑞华, 李勇, 朱玲, 贾志远, 丁晖 (1457)
- 干扰及林龄影响下迪庆州云杉老龄林生态系统碳储量动态
····· 冯源, 朱建华, 肖文发, 皇宝林, 毕艳玲, 温庆忠, 邓喜庆 (1465)
- 裸果木种群遗传多样性及其与土壤因子的关联性研究····· 徐振朋, 宛涛, 蔡萍, 张晓明, 伊卫东, 宛诣超 (1473)
- 藏北高寒草地土壤磷脂脂肪酸指纹特征及其与土壤化学性质的关系
····· 马书琴, 王小丹, 王荷, 张蓓蓓, 陈有超, 鲁旭阳 (1480)
- 牧压梯度下高寒草甸实际蒸散量及植物生产水分有效利用率的研究
····· 贺慧丹, 祝景彬, 朱亚西, 李红琴, 杨永胜, 李英年 (1488)
- 控释肥与尿素配合施用对稻季土壤 CH_4 和 N_2O 排放的影响····· 纪洋, 于海洋, 徐华 (1494)
- 稻草还田方式对不同水分类型稻田土壤 N_2O 排放的影响····· 吴小红, 王卫, 侯海军, 谢小立 (1501)
- 岩溶区不同土地覆被方式对土壤团聚体有机碳的影响····· 王浩, 姚昕, 杨慧, 何振, 李敦杰, 丁玲玉 (1506)
- 中国西北气候变暖及其对农业的影响对策····· 张秀云, 姚玉璧, 杨金虎, 李文举, 雷俊, 牛海洋 (1514)
- 太原市大气颗粒物 PM_{10} 和 $\text{PM}_{2.5}$ 多时间尺度变化规律研究····· 王飞, 韩业林, 赵颖 (1521)
- 极干旱地区沙尘与非沙尘天气 $\text{PM}_{2.5}$ 及所含金属元素的浓度特征分析
····· 玉散·吐拉甫, 迪丽努尔·塔力甫, 王新明, 丁翔, 阿布力克木·阿不力孜, 买丽克扎提·买合木提, 米吉提·依明 (1529)
- 广州市浅层地下水化学时空分布特征及其对土地利用类型的响应
····· 张明珠, 王卓微, 黎坤, 陈建耀, 高磊, 李绍恒, 资惠宇, 黄晓旭, 邓玉军 (1539)
- 乌梁素海盐度变化对沉积物重金属有效性的影响····· 吕杰, 李畅游, 贾克力, 张生, 史小红, 赵胜男, 孙标 (1547)
- 黄河三角洲养殖塘水-气界面 CO_2 、 CH_4 和 N_2O 通量特征····· 宋红丽, 刘兴土, 文波龙 (1554)
- 2014—2015 年珠江春季禁渔前后浮游动物群落变化····· 高原, 赖子尼, 杨婉玲, 曾艳艺 (1562)
- 北京市污水处理厂污泥重金属污染特征和生态风险评价····· 孟国欣, 查同刚, 张晓霞, 刘峥, 苏光瑞 (1570)
- 亚热带丘陵区湿地水生植物组合模式拦截氮磷的研究
····· 王丽莎, 李希, 甘蕾, 张瑞, 吕殿青, 周脚根, 张满意, 李裕元, 吴金水 (1577)
- 基于普通克里格和投影寻踪模型的城市土壤重金属污染评价····· 谢贤健, 韩光中 (1584)
- 3 种土壤类型下镉胁迫对红椿生物量分配及其镉富集特性的影响····· 王岑涅, 刘柿良, 李勋, 王丽萍, 张健 (1591)
- 氮肥形态对李氏禾富集铜的影响及生理响应····· 张存款, 林华, 满向甜, 张学洪, 陈俊 (1599)
- 不同时间 NaOH 预处理对玉米秸秆中温厌氧发酵的影响····· 张鸣, 赵国虎, 李万江, 米璇, 张蕊祥, 张海军 (1605)

综 述

- 水葫芦修复污染水体的功能及其在工程应用中所面临的挑战····· 张志勇, 严少华, 徐寸发, 刘海琴, 张迎颖 (1612)
- 淡水环境中微塑料的赋存、来源和生态毒理效应研究进展····· 丁剑楠, 张闪闪, 邹华, 张云, 朱荣 (1619)
- 汞同位素自然库存研究进展····· 李春辉, 汪婷, 梁汉东, 施云云, 曹庆一 (1627)



期刊基本参数: CN 44-1661/X * 1992 * m * A4 * 182 * zh * P * ¥30.00 * 1 000 * 24 * 2017-09

ECOLOGY AND ENVIRONMENTAL SCIENCES

Vol.26 No.9 September 18, 2017

Contents

Research Articles

- Litterfall Biomass and Decomposition Characteristics in A Poplar plantation Ecosystem
.....GE Xiaomin, TANG Luozhong, WANG Ruihua, LI Yong, ZHU Ling, JIA Zhiyuan, DING Hui (1457)
- Disturbances and Ageing Affected Carbon Dynamics in Old-growth Spruce Forest in Diqing Prefecture
.....FENG Yuan, ZHU Jianhua, XIAO Wenfa, HUANG Baolin, BI Yanling, WEN Qingzhong, DENG Xiqing (1465)
- Study on the Relevance between Genetic Diversity of *Gymnocarpus przewalskii* Populations and Soil Factors
.....XU Zhenpeng, WAN Tao, CAI Ping, ZHANG Xiaoming, YI Weidong, WAN Yichao (1473)
- Phospholipid Fatty Acids Fingerprint of Different Grassland Soils in North Tibet and Their Relationship with Chemical Properties
.....MA Shuqin, WANG Xiaodan, WANG He, ZHANG Beibei, CHEN Youchao, LU Xuyang (1480)
- Study on the Actual Evapotranspiration and the Effective Utilization of Water in Alpine Meadow under Different Grazing Gradients
.....HE Huidan, ZHU Jingbin, WEI Yaxi, LI Hongqin, YANG Yongsheng, LI Yingnian (1488)
- Effect of Controlled-release Fertilizer and Its Combined Application with Urea on CH₄ and N₂O Emissions in Rice Soil
.....JI Yang, YU Haiyang, XU Hua (1494)
- Effects of Straw Return Methods on N₂O Emissions from Paddy Soils under Different Water Managements
.....WU Xiaohong, WANG Wei, HOU Haijun, XIE Xiaoli (1501)
- Effects of Different Land Cover Types in Karst Area on Soil Aggregates and Organic Carbon
.....WANG Hao, YAO Xin, YANG Hui, HE Zhen, LI Dunjie, DING Lingyu (1506)
- Characteristic and Countermeasures of Climate Warming and Its Impacts on Agriculture in Northwest China
.....ZHANG Xiuyun, YAO Yubi, YANG Jinhu, LI Wenju, LEI Jun, NIU Haiyang (1514)
- Spatial-temporal Variations of PM₁₀ and PM_{2.5} on Different Time-scales in Taiyuan WANG Fei, HAN Yelin, ZHAO Ying (1521)
- Elemental Characterization in PM_{2.5} during the Dust and Non-dust Periods in the Extremely-arid Areas
.....Yusan TURAP, Dilinuer TALIFU, WANG Xinming, DING Xiang, Abulikemu ABULIZI, Mailikezhati MAIHEMUTI, Mijit YIMING (1529)
- Spatial and Seasonal Geochemical Characteristics of Shallow Groundwater in Response to Land Use Pattern in Guangzhou
.....ZHANG Mingzhu, WANG Zhuowei, LI Kun, CHEN Jianyao, GAO Lei, LI Shaoheng, ZI Huiyu, HUANG Xiaoxu, DENG Yujun (1539)
- Impacts of Salinity Change on the Effectiveness of Heavy Metals in the Sediment of Wuliangsuhai
.....LV Jie, LI Changyou, JIA Keli, ZHANG Sheng, SHI Xiaohong, ZHAO Shengnan, SUN Biao (1547)
- Greenhouse Gases Fluxes at Water-Air Interface of Aquaculture Ponds in the Yellow River Estuary SONG Hongli, LIU Xingtu, WEN Bolong (1554)
- Changes of Zooplankton Community before and after the Spring Closed Season in the Pearl River in 2014—2015
.....GAO Yuan, LAI Zini, YANG Wanling, ZENG Yanyi (1562)
- Heavy Metal Pollution Characteristics and Ecological Risk Assessment of the Sludge from Wastewater Treatment Plants in Beijing
.....MENG Guoxin, ZHA Tonggang, ZHANG Xiaoxia, LIU Zheng, SU Guangrui (1570)
- Study on the Aquatic Plant Combination Patterns for Intercepting Nitrogen and Phosphorus in Wetland of Subtropical Hilly Region
.....WANG Lisha, LI Xi, GAN Lei, ZHANG Rui, LV Dianqing, ZHOU Jiaogen, ZHANG Manyi, LI Yuyuan, WU Jinshui (1577)
- Evaluation of Soil Heavy Metal Pollution in Neijiang City Based on Ordinary Kriging and Projection Pursuit Model
.....XIE Xianjian, HAN Guangzhong (1584)
- Impacts of Cadmium Stress on Biomass Distribution Pattern and Cadmium Accumulation Characteristics of *Toona ciliata* Roem. in Three Types of Soil
.....WANG Cennie, LIU Shiliang, LI Xun, WANG Liping, ZHANG Jian (1591)
- Effect of Nitrogen Forms on Cu Uptake by the *Leersia Hexandra* Swartz and Physiological Response
.....ZHANG Cunkuan, LIN Hua, MAN Xiangtian, ZHANG Xuehong, CHEN Jun (1599)
- Effects of NaOH Pretreatment at Different Time on Anaerobic Fermentation of Corn Straw at Mesophilic Temperatures
.....ZHANG Ming, ZHAO Guohu, LI Wangjiang, MI Xuan, ZHANG Ruixiang, ZHANG Haijun (1605)
- Reviews**
- The Functions of Water Hyacinth (*Eichhornia crassipes* (Mart) Solms) in Remediation of Polluted Waters and Challenges in Engineering Application
.....ZHANG Zhiyong, YAN Shaohua, XU Cunfa, LIU Haiqin, ZHANG Yingying (1612)
- Occurrence, Source and Ecotoxicological Effect of Microplastics in Freshwater Environment
.....DING Jiannan, ZHANG Shanshan, ZOU Hua, ZHANG Yun, ZHU Rong (1619)
- Progresses in Study of Hg Isotope Database..... LI Chunhui, WANG Ting, LIANG Handong, SHI Yunyun, CAO Qingyi (1627)