



生态学报

(SHENGTAI XUEBAO)

第 31 卷 第 8 期 2011 年 4 月 (半月刊)

中国科学院科学出版基金资助出版

目 次

塔里木河下游胡杨径向生长与地下水的关系.....	安红燕,徐海量,叶茂,等 (2053)
冲积平原区高程因子对土壤剖面质地构型的影响——以封丘县为例.....	檀满枝,密术晓,李开丽,等 (2060)
臭氧胁迫对大豆叶片抗坏血酸-谷胱甘肽循环的影响.....	王俊力,王岩,赵天宏,等 (2068)
重要理化因子对小球藻生长和油脂产量的影响.....	张桂艳,温小斌,梁芳,等 (2076)
北亚热带马尾松净生产力对气候变化的响应.....	程瑞梅,封晓辉,肖文发,等 (2086)
亚热带沟叶结缕草草坪土壤呼吸.....	李熙波,杨玉盛,曾宏达,等 (2096)
UV-B 辐射对马尾松凋落叶分解和养分释放的影响.....	宋新章,张慧玲,江洪,等 (2106)
干旱胁迫下内生真菌感染对羽茅的生理生态影响.....	韩荣,李夏,任安芝,等 (2115)
蜜环菌对锌的耐性和富集特性.....	朱林,程显好,李维焯,等 (2124)
干旱荒漠区狭叶锦鸡儿灌丛扩展对策.....	张建华,马成仓,刘志宏,等 (2132)
黄土高原区不同植物凋落物搭配对土壤微生物量碳、氮的影响.....	王春阳,周建斌,夏志敏,等 (2139)
内蒙古典型草原克氏针茅与冰草的生存策略.....	孙建,刘苗,李胜功,等 (2148)
荒漠沙柳根围 AM 真菌的空间分布.....	贺学礼,杨静,赵丽莉 (2159)
开放式昼夜不同增温对单季稻影响的试验研究.....	董文军,邓艾兴,张彬,等 (2169)
醉马草免培养内生细菌的多样性.....	张雪兵,史应武,曾军,等 (2178)
河南生态足迹驱动因素的 Hi_PLS 分析及其发展对策.....	贾俊松 (2188)
禹城市耕地土壤盐分与有机质的指示克里格分析.....	杨奇勇,杨劲松,余世鹏 (2196)
旋覆花提取物对朱砂叶螨的生物活性及酶活性的影响.....	段丹丹,王有年,成军,等 (2203)
白洋淀湖滨湿地岸边带氨氧化古菌与氨氧化细菌的分布特性.....	叶磊,祝贵兵,王雨,等 (2209)
干旱胁迫条件下 6 种喀斯特主要造林树种苗木叶片水势及吸水潜能变化.....	王丁,姚健,杨雪,等 (2216)
按树人工林物种多样性变化特征.....	刘平,秦晶,刘建昌,等 (2227)
海河流域湿地生态系统服务功能价值评价.....	江波,欧阳志云,苗鸿,等 (2236)
芦苇在微咸水河口湿地甲烷排放中的作用.....	马安娜,陆健健 (2245)
云南不同土壤铅背景值下大叶茶种群对铅的吸收积累特征及其遗传分化.....	刘声传,段昌群,李振华,等 (2253)
长江口和杭州湾凤鲚胃含物与海洋浮游动物的种类组成比较.....	刘守海,徐兆礼 (2263)
江西大岗山地区 7—9 月降水量的重建与分析.....	乔磊,王兵,郭浩,等 (2272)
山核桃免耕经营的经济效益和生态效益.....	王正加,黄兴召,唐小华,等 (2281)
基于 GIS 的广州市中心城区城市森林可达性分析.....	朱耀军,王成,贾宝全,等 (2290)
专论与综述	
土壤呼吸温度敏感性的影响因素和不确定性.....	杨庆朋,徐明,刘洪升,等 (2301)
植物代谢速率与个体生物量关系研究进展.....	程栋梁,钟全林,林茂兹,等 (2312)
耕地生态补偿实践与研究进展.....	马爱慧,蔡银莺,张安录 (2321)
问题讨论	
元谋干热河谷三种植被恢复模式土壤贮水及入渗特性.....	刘洁,李贤伟,纪中华,等 (2331)
研究简报	
中微量元素和有益元素对水稻生长和吸收镉的影响.....	胡坤,喻华,冯文强,等 (2341)



封面图说: 巴西热带雨林——美丽的巴西北部玛瑙斯热带雨林景观。位于南美洲的亚马逊河是世界上流域最广、流量最大的河流,孕育了世界面积最大的热带雨林,雨林中蕴藏着极丰富的生物资源。

彩图提供: 中国科学院生态环境研究中心徐卫华博士 E-mail: xuweihua@rcees.ac.cn

ACTA ECOLOGICA SINICA Vol. 31, No. 8 April, 2011 (Semimonthly)

CONTENTS

The relationship between <i>Populus euphratica</i> 's radial increment and groundwater level at the lower reach of Tarim River	AN Hongyan, XU Hailiang, YE Mao, et al (2053)
Influence of elevation factor on soil profile texture configuration: a case study of the alluvial plain of Fengqiu County	TAN Manzhi, MI Shuxiao, LI Kaili, et al (2060)
Effects of ozone on AsA-GSH cycle in soybean leaves	WANG Junli, WANG Yan, ZHAO Tianhong, et al (2068)
The effects of physical and chemical factors on the growth and lipid production of <i>Chlorella</i>	ZHANG Guiyan, WEN Xiaobin, LIANG Fang, et al (2076)
Response of net productivity of masson pine plantation to climate change in North Subtropical Region	CHENG Ruimei, FENG Xiaohui, XIAO Wenfa, et al (2086)
Soil respiration of <i>Zoysia matrella</i> turfgrass in subtropics	LI Xibo, YANG Yusheng, ZENG Hongda, et al (2096)
Effect of UV-B radiation on the leaf litter decomposition and nutrient release of <i>Pinus massoniana</i>	SONG Xinzhang, ZHANG Huiling, JIANG Hong, et al (2106)
Physiological ecological effect of endophyte infection on <i>Achnatherum sibiricum</i> under drought stress	HAN Rong, LI Xia, REN Anzhi, et al (2115)
Zinc Tolerance and Accumulation Characteristics of <i>Armillaria mellea</i>	ZHU Lin, CHENG Xianhao, LI Weihuan, et al (2124)
Expansion strategies of <i>Caragana stenophylla</i> in the arid desert region	ZHANG Jianhua, MA Chengcang, LIU Zhihong, et al (2132)
Effects of mixed plant residues from the Loess Plateau on microbial biomass carbon and nitrogen in soil	WANG Chunyang, ZHOU Jianbin, XIA Zhimin, et al (2139)
Survival strategy of <i>Stipa krylovii</i> and <i>Agropyron cristatum</i> in typical steppe of Inner Mongolia	SUN Jian, LIU Miao, LI Shenggong, et al (2148)
Spatial distribution of arbuscular mycorrhizal fungi in <i>Salix psammophila</i> root-zone soil in Inner Mongolia desert	HE Xueli, YANG Jing, ZHAO Lili (2159)
An experimental study on the effects of different diurnal warming regimes on single cropping rice with Free Air Temperature Increased (FATI) facility	DONG Wenjun, DENG Aixing, ZHANG Bin, et al (2169)
Endophytic bacterial diversity in <i>Achnatherum inebrians</i> by culture-independent approach	ZHANG Xuebing, SHI Yingwu, ZENG Jun, et al (2178)
Hierarchical Partial Least Squares (Hi_PLS) model analysis of the driving factors of Henan's Ecological Footprint (EF) and its development strategy	JIA Junsong (2188)
Evaluation on spatial distribution of soil salinity and soil organic matter by indicator Kriging in Yucheng City	YANG Qiyong, YANG Jinsong, YU Shipeng (2196)
The toxicity of lupeol of <i>Inula britannica</i> on <i>Tetranychus cinnabarinus</i> and its effects on mite enzyme activity	DUAN Dandan, WANG Younian, CHENG Jun, et al (2203)
Abundance and biodiversity of ammonia-oxidizing archaea and bacteria in littoral wetland of Baiyangdian Lake, North China	YE Lei, ZHU Guibing, WANG Yu, et al (2209)
Changes of leaf water potential and water absorption potential capacities of six kinds of seedlings in Karst mount area under different drought stress intensities: Taking six forestation seedlings in karst Mountainous region for example	WANG Ding, YAO Jian, YANG Xue, et al (2216)
Comparison of structure and species diversity of <i>Eucalyptus</i> community	LIU Ping, QIN Jing, LIU Jianchang, et al (2227)
Ecosystem services valuation of the Haihe River basin wetlands	JIANG Bo, OUYANG Zhiyun, MIAO Hong, et al (2236)
Effects of <i>Phragmites australis</i> on methane emission from a brackish estuarine wetland	MA Anna, LU Jianjian (2245)
Genetic differentiation and the characteristics of uptake and accumulation of lead among <i>Camellia sinensis</i> populations under different background lead concentrations of soils in Yunnan, China	LIU Shengchuan, DUAN Changqun, LI Zhenhua, et al (2253)
Comparison of zooplankton lists between <i>Coilia mystus</i> food contents and collections from the Yangtze River Estuary & Hangzhou Bay	LIU Shouhai, XU Zhaoli (2263)
Reconstruction and analysis of July-September precipitation in Mt. Dagangshan, China	QIAO Lei, WANG Bing, GUO Hao, et al (2272)
Analysis on economic and ecological benefits of no-tillage management of <i>Carya cathayensis</i>	WANG Zhengjia, HUANG Xingzhao, TANG Xiaohua, et al (2281)
GIS-based analysis of the accessibility of urban forests in the central city of Guangzhou, China	ZHU Yaojun, WANG Cheng, JIA Baoquan, et al (2290)
Review and Monograph	
Impact factors and uncertainties of the temperature sensitivity of soil respiration	YANG Qingpeng, XU Ming, LIU Hongsheng, et al (2301)
The advance of allometric studies on plant metabolic rates and biomass	CHENG Dongliang, ZHONG Quanlin, LIN Maozi, et al (2312)
Practice and the research progress on eco-compensation for cultivated land	MA Aihui, CAI Yinying, ZHANG Anlu (2321)
Discussion	
Soil water holding capacities and infiltration characteristics of three vegetation restoration models in dry-hot valley of Yuanmou	LIU Jie, LI Xianwei, JI Zhonghua, et al (2331)
Scientific Note	
Effects of secondary, micro- and beneficial elements on rice growth and cadmium uptake	HU Kun, YU Hua, FENG Wenqiang, et al (2341)