



中国科学院科学出版基金资助出版

生态学报 (SHENTAI XUEBAO)

第30卷 第15期 2010年8月 (半月刊)

目 次

- 黄淮海地区湿地系统生物多样性保护格局构建..... 宋晓龙, 李晓文, 张明祥, 等 (3953)
异质水分环境下野牛草相连分株间光合同化物的生理整合及其调控..... 钱永强, 孙振元, 韩 蕃, 等 (3966)
软质与硬质地表对树木花粉日飘散变化的影响..... 鄢光发, 杨 颖, 王 成, 等 (3974)
湘西河流表层沉积物重金属污染特征及其潜在生态毒性风险..... 朱 程, 马陶武, 周 科, 等 (3982)
四个温带树种树干呼吸的时间动态及其影响因子..... 石新立, 王传宽, 许 飞, 等 (3994)
川滇高山栎种群不同海拔空间格局的尺度效应及个体间空间关联..... 尤海舟, 刘兴良, 缪 宁, 等 (4004)
人类活动对青藏高原高寒矮嵩草草甸碳过程的影响..... 林 丽, 曹广民, 李以康, 等 (4012)
不同土壤水分下4种沙生灌木的光合光响应特性..... 韩 刚, 赵 忠 (4019)
珍稀植物银杉的种子萌发特性..... 曹基武, 刘春林, 张 斌, 等 (4027)
塔里木河下游土壤水分与植被时空变化特征..... 马晓东, 李卫红, 朱成刚, 等 (4035)
文峪河上游河岸林群落环境梯度格局和演替过程..... 郭跃东, 郭晋平, 张芸香, 等 (4046)
定植密度对日光温室甜椒干物质生产与分配影响的模拟研究..... 刘寿东, 杨再强, 苏天星, 等 (4056)
小兴安岭4种原始红松林群落类型生长季土壤呼吸特征..... 陆 彬, 王淑华, 毛子军, 等 (4065)
4种温带森林非生长季土壤二氧化碳、甲烷和氧化亚氮通量 刘 实, 王传宽, 许 飞 (4075)
氮、磷对小新月菱形藻无机碳利用与碳酸酐酶活性的影响 夏建荣, 黄 瑾 (4085)
不同N:P水平下接种摩西球囊霉对白三叶草中C:N:P比和RNA含量的影响 陈梅梅, 阴红彬, 王幼珊 (4093)
转金属硫蛋白基因(MT_1)烟草耐NaCl胁迫能力 周博如, 王 雷, 吴丽丽, 等 (4103)
辐射胁迫对烟草根抗氧化能力和激素含量的影响 袁祖丽, 吴中红 (4109)
区域经济-环境复合生态系统协调发展动态评价——以连云港为例 史亚琪, 朱晓东, 孙 翔, 等 (4119)
藏北地区生态与环境敏感性评价 高清竹, 段敏杰, 万运帆, 等 (4129)
再生水浇灌方式对芦苇地土壤水文生态特性的影响 夏江宝, 谢文军, 陆兆华, 等 (4137)
高氯酸盐和铬复合污染对水稻生理特性的影响 陈桂葵, 杨杰峰, 黎华寿, 等 (4144)
城市湿地小流域尺度景观空间分异及其对水体质量的影响——以南京市紫金山东郊典型湿地为例 郝敬锋, 刘红玉, 胡俊纳, 等 (4154)
渝北水源区水源涵养林构建模式对土壤渗透性的影响 赵洋毅, 王玉杰, 王云琦, 等 (4162)
西藏雅鲁藏布江中游斑头雁的越冬种群数量、分布和活动区 刘冬平, 张国钢, 钱法文, 等 (4173)
辽宁双台河口黑嘴鸥的迁徙模式与种群生存率 江红星, 侯韵秋, 李玉祥, 等 (4180)
黑肩绿盲蝽捕食褐飞虱卵的功能与数值反应 黄林茂, 黄寿山 (4187)
烟盲蝽及其天敌蜘蛛空间格局的地统计学分析 赵 静, 赵 鑫, 王玉军, 等 (4196)
专论与综述
捕食端化学生态研究进展 董文霞, 王国昌, 孙晓玲, 等 (4206)
黄河流域生态水文分区及优先保护级别 蔡 燕, 鱼京善, 王会肖, 等 (4213)
虫害诱导的植物挥发物代谢调控机制研究进展 穆 丹, 付建玉, 刘守安, 等 (4221)
研究简报
冀西北坝上地区灯下蛾类群落结构特征 杨向东, 董建臻, 李瑞军, 等 (4234)
期刊基本参数: CN 11-2031/Q * 1981 * m * 16 * 288 * zh * P * ￥70.00 * 1510 * 32 * 2010-08

CONTENTS

Systematic conservation pattern for the wetland biodiversity in HuangHuaiHai Region, China	SONG Xiaolong, LI Xiaowen, ZHANG Mingxiang, et al (3953)
Photosynthate integration and regulation within clones of buffalograss under heterogeneous water supply	QIAN Yongqiang, SUN Zhenyuan, HAN Lei, et al (3966)
The influence of urban surface condition on diurnal variation of tree pollen dispersal	QIE Guangfa, YANG Ying, WANG Cheng, et al (3974)
Pollution characteristics and potential ecotoxicity risk of heavy metals in surface river sediments of western Hunan	ZHU Cheng, MA Taowu, ZHOU Ke, et al (3982)
Temporal dynamics and influencing factors of stem respiration for four temperate tree species	SHI Xinli, WANG Chuankuan, XU Fei, et al (3994)
Individual association and scale effect of spatial pattern of <i>Quercus aquifolioides</i> populations along the elevation gradients	YOU Haizhou, LIU Xingliang, MIAO Ning, et al (4004)
Effects of human activities on organic carbon storage in the <i>Kobresia humilis</i> meadow ecosystem on the Tibetan Plateau	LIN Li, CAO Guangmin, LI Yikang, et al (4012)
Light response characteristics of photosynthesis of four xerophilous shrubs under different soil moistures	HAN Gang, ZHAO Zhong (4019)
Seed germination of endangered <i>Cathaya argyrophylla</i> Chun & Kuang	CAO Jiwu, LIU Chunlin, ZHANG Bin, et al (4027)
Spatio-temporal variation in soil moisture and vegetation along the lower reaches of Tarim River, China	MA Xiaodong, LI Weihong, ZHU Chenggang, et al (4035)
Environmental gradient analysis and succession process of riparian forest communities in upper reach of Wenyuhe watershed	GUO Yuedong, GUO Jinping, ZHANG Yunxiang, et al (4046)
Impact of planting density on the dry matter formation and partition in sweet peppers in a solar greenhouse	LIU Shoudong, YANG Zaiqiang, SU Tianxing, et al (4056)
Soil respiration characteristics of four primary Korean pine communities in growing season at Xiaoxing'an Mountain, China	LU Bin, WANG Shuhua, MAO Zihun, et al (4065)
Soil effluxes of carbon dioxide, methane and nitrous oxide during non-growing season for four temperate forests in northeastern China	LIU Shi, WANG Chuankuan, XU Fei (4075)
Impacts of nitrogen and phosphorus on inorganic carbon utilization and carbonic anhydrase activity in <i>Nitzschia closterium f. minutissima</i>	XIA Jianrong, HUANG Jin (4085)
The influences of arbuscular mycorrhizal fungus, <i>Glomus mosseae</i> , on C:N:P ratios and RNA contents of white clover at different nitrogen and phosphorus addition levels	CHEN Meimei, YIN Hongbin, WANG Youshan (4093)
Characterization of transgenic tobacco overexpressing metallothionein gene (<i>MT₁</i>) on NaCl stress	ZHOU Boru, WANG Lei, WU Lili, et al (4103)
Effect of cadmium on antioxidative capability and phytohormone level in tobacco roots	YUAN Zuli, WU Zhonghong (4109)
A dynamic assessment for the coordination between economic development and the environment: a case study of Lianyungang, China	SHI Yaqi, ZHU Xiaodong, SUN Xiang, et al (4119)
Comprehensive evaluation of eco-environmental sensitivity in Northern Tibet	GAO Qingzhu, DUAN Minjie, WAN Yunfan, et al (4129)
Effects of different irrigation modes with reclaimed water on soil eco-hydrological characteristics of reed land	XIA Jiangbao, XIE Wenjun, LU Zhaohua, et al (4137)
Effect of the combined pollution of perchlorate and hexavalent chromium on physiological characteristics of rice	CHEN Guigui, YANG Jiefeng, LI Huashou, et al (4144)
Impacts of landscape heterogeneity on water quality of urban wetlands at sub-watershed scale: a case study on the eastern suburb of Nanjing	HAO Jingfeng, LIU Hongyu, HU Junna, et al (4154)
Effects of structures of plantation forests on soil infiltration characteristics in source water protect areas in northern Chongqing City	ZHAO Yangyi, WANG Yujie, WANG Yunqi, et al (4162)
Population, distribution and home range of wintering bar-headed goose along YaluZangbu River, Tibet	LIU Dongping, ZHANG Guogang, QIAN Fawen, et al (4173)
Using marked individuals to explore migration pattern and estimate survival rates of Saunders's Gull at Shuangtaihekou National Nature Reserve, China	JIANG Hongxing, HOU Yunqiu, LI Yuxiang, et al (4180)
Functional and numerical responses of the predacious plant bug on the rice brown planthopper egg	HUANG Linmao, HUANG Shoushan (4187)
Geostatistical analysis of spatial patterns of <i>Nesidiocoris tenuis</i> (Reuter) (Hemiptera: Miridae) and its natural enemy spiders	ZHAO Jing, ZHAO Xin, WANG Yujun, et al (4196)
Review and Monograph	
Research progress on the chemical ecology of predatory mites	DONG Wenxia, WANG Guochang, SUN Xiaoling, et al (4206)
Eco-hydrological regionalization and protection preferential levels in the Yellow River Basin	CAI Yan, YU Jingshan, WANG Huixiao, et al (4213)
Advances in metabolic regulation mechanism of herbivore-induced plant volatiles	MU Dan, FU Jianyu, LIU Shouan, et al (4221)
Scientific Note	
Characteristics of community structure of moth under light-trap in Northwestern Bashang Plateau of Hebei Province	YANG Xiangdong, DONG Jianzhen, LI Ruijun, et al (4234)