

ISSN 1000-0933

CN 11-2031/Q

生态学报

Acta Ecologica Sinica



第32卷 第8期 Vol.32 No.8 2012

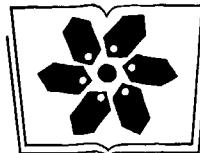
中国生态学学会

中国科学院生态环境研究中心

科学出版社

主办

出版



中国科学院科学出版基金资助出版

生态学报 (SHENTAI XUEBAO)

第32卷 第8期 2012年4月 (半月刊)

目 次

东北地区5种阔叶树苗木对火烧的生理响应.....	王 荣,胡海清(2303)
梭梭木虱发生规律及其影响因子.....	李粉莲,吴雪海,王佩玲,等(2311)
基于遥感降尺度估算中国森林生物量的空间分布.....	刘双娜,周 涛,舒 阳,等(2320)
流域景观格局与河流水质的多变量相关分析.....	赵 鹏,夏北成,秦建桥,等(2331)
内蒙古达赉湖地区赤狐生境选择及生境景观特征分析.....	张洪海,李成涛,窦华山,等(2342)
雅鲁藏布江流域底栖动物多样性及生态评价.....	徐梦珍,王兆印,潘保柱,等(2351)
用组合模型综合比较的方法分析气候变化对朱鹮潜在生境的影响.....	翟天庆,李欣海(2361)
2010年牧区2代草地螟成虫迁飞的虫源分析.....	张 丽,张云慧,曾 娟,等(2371)
基于细胞色素b基因的中国岩羊不同地理种群遗传差异分析.....	李楠楠,刘振生,王正寰,等(2381)
喀斯特峰丛洼地不同退耕还林还草模式的土壤微生物特性.....	鹿士杨,彭晚霞,宋同清,等(2390)
永定河沿河沙地杨树人工林生态系统呼吸特征.....	方显瑞,张志强,查同刚,等(2400)
基于湿地植物光谱的水体总氮估测.....	刘 克,赵文吉,郭逍宇,等(2410)
背瘤丽蚌F型线粒体基因组全序列分析.....	陈 玲,汪桂玲,李家乐(2420)
流域“源-汇”景观格局变化及其对磷污染负荷的影响——以天津于桥水库流域为例.....	李崇巍,胡 婕,王 靓,等(2430)
线虫群落对抚顺煤矸石山周边土壤可溶性盐污染的响应.....	张伟东,吕 莹,肖 莹,等(2439)
地上竞争对林下红松生物量分配的影响.....	汪金松,范秀华,范 娟,等(2447)
湿地松和马尾松人工林土壤甲烷代谢微生物群落的结构特征.....	王 芸,郑 华,陈法霖,等(2458)
马尾松和杉木树干韧皮部水溶性糖 ¹³ C值对气象因子的响应.....	卢钰茜,王振兴,郑怀舟,等(2466)
沙坡头人工植被演替过程的土壤呼吸特征.....	高艳红,刘立超,贾荣亮,等(2474)
豫西刺槐能源林的热值动态.....	谭晓红,刘诗琦,马履一,等(2483)
铁皮石斛种子的室内共生萌发.....	吴慧凤,宋希强,刘红霞(2491)
红光与远红光比值对温室切花菊形态指标、叶面积及干物质分配的影响.....	杨再强,张继波,李永秀,等(2498)
朴草净对远志幼苗根系活力及氧化胁迫的影响.....	温银元,郭平毅,尹美强,等(2506)
地表臭氧浓度增加和UV-B辐射增强及其复合处理对大豆光合特性的影响.....	郑有飞,徐卫民,吴荣军,等(2515)
AMF对喀斯特土壤枯落物分解和对宿主植物的养分传递.....	何跃军,钟章成,董 鸣(2525)
传统豆酱发酵过程中细菌多样性动态.....	葛菁萍,柴洋洋,陈 丽,等(2532)
定位施肥对紫色菜园土磷素状况的影响.....	孙倩倩,王正银,赵 欢,等(2539)
基于生态需水保障的农业生态补偿标准.....	庞爱萍,孙 涛(2550)
保障粮食安全造成的生态价值损失评估模型及应用.....	芦蔚叶,姜志德,张应龙,等(2561)
专论与综述	
疏浚泥用于滨海湿地生态工程现状及在我国应用潜力.....	黄华梅,高 杨,王银霞,等(2571)
问题讨论	
厌氧氯化菌群体感应系统研究.....	丁 爽,郑 平,张 萌,等(2581)
基于形态结构特征的洞庭湖湖泊健康评价.....	帅 红,李景保,夏北成,等(2588)
研究简报	
黄土高原不同树种枯落叶混合分解效应.....	刘增文,杜良贞,张晓曦,等(2596)
不同经营类型毛竹林土壤活性有机碳的差异.....	马少杰,李正才,王 斌,等(2603)
干旱对辣椒光合作用及相关生理特性的影响.....	欧立军,陈 波,邹学校(2612)
硅和干旱胁迫对水稻叶片光合特性和矿质养分吸收的影响.....	陈 伟,蔡昆争,陈基宁(2620)

期刊基本参数:CN 11-2031/Q * 1981 * m * 16 * 326 * zh * P * ¥ 70.00 * 1510 * 36 * 2012-04



封面图说:红树林粗大的气生根——红树林是热带、亚热带海湾及河口泥滩上特有的常绿灌木或乔木群落。由于海水环境条件特殊,红树林植物具有一系列特殊的生态和生理特征。其中之一就是气根,红树从根部长出许多指状的气生根露出海滩地面,以便在退潮时甚至潮水淹没时用以通气,故称呼吸根。在中国,红树林主要分布在海南、广西、广东和福建省沿海,它一般分布于高潮线与低潮线之间的潮间带,往往潮差越大、红树的呼吸根就长得越高越粗大。

彩图提供:陈建伟教授 北京林业大学 E-mail: cites.chenjw@163.com

ACTA ECOLOGICA SINICA Vol. 32 ,No. 8 April,2012(Semimonthly)
CONTENTS

Physiological responses of five deciduous broad-leaved tree seedlings in the Northeast Area of China to burning	WANG Rong, HU Haiqing (2303)
The occurrence regularity of psyllid in <i>Haloxylon</i> spp and its influencing factors	LI Fenlian, WU Xuehai, WANG Peiling, et al (2311)
The estimating of the spatial distribution of forest biomass in China based on remote sensing and downscaling techniques	LIU Shuangna, ZHOU Tao, SHU Yang, et al (2320)
Multivariate correlation analysis between landscape pattern and water quality	ZHAO Peng, XIA Beicheng, QIN Jianqiao, et al (2331)
Red fox habitat selection and landscape feature analysis in the Dalai Lake Natural Reserve in Inner Mongolia	ZHANG Honghai, LI Chengtao, DOU Huashan, et al (2342)
Research on assemblage characteristics of macroinvertebrates in the Yalu Tsangpo River Basin	XU Mengzhen, WANG Zhaoyin, PAN Baozhu, et al (2351)
Climate change induced potential range shift of the crested ibis based on ensemble models	ZHAI Tianqing, LI Xinhai (2361)
Analysis of the sources of second generation meadow moth populations that immigrated into Chinese pastoral areas in 2010	ZHANG Li, ZHANG Yunhui, ZENG Juan, et al (2371)
Genetic diversity based on cytochrome <i>b</i> gene analysis of different geographic populations of blue sheep in China	LI Nannan, LIU Zhensheng, WANG Zhenghuan, et al (2381)
Soil microbial properties under different grain-for-green patterns in depressions between karst hills	LU Shiyang, PENG Wanxia, SONG Tongqing, et al (2390)
Ecosystem and soil respiration of a poplar plantation on a sandy floodplain in Northern China	FANG Xianrui, ZHANG Zhiqiang, ZHA Tonggang, et al (2400)
Estimating total nitrogen content in water body based on reflectance from wetland vegetation	LIU Ke, ZHAO Wenji, GUO Xiaoyu, et al (2410)
Analysis on complete F type of mitochondrial genome in <i>Lamprotula leai</i>	CHEN Ling, WANG Guiling, LI Jiale (2420)
The source-sink landscape pattern change and its effect on phosphorus pollution in Yuqiao watershed	LI Chongwei, HU Jie, WANG Sa, et al (2430)
Responses of soil nematode communities to soluble salt contamination around Gangue hill in Fushun	ZHANG Weidong, LV Ying, XIAO Ying, et al (2439)
Effect of aboveground competition on biomass partitioning of understory Korean pine (<i>Pinus koraiensis</i>)	WANG Jinsong, FAN Xiuhua, FAN Juan, et al (2447)
Research of methane metabolic microbial community in soils of slash pine plantation and Masson pine plantation	WANG Yun, ZHENG Hua, CHEN Falin, et al (2458)
$\delta^{13}\text{C}$ values of stem phloem water soluble sugars of <i>Pinus massoniana</i> and <i>Cunninghamia lanceolata</i> response to meteorological factors	LU Yuxi, WANG Zhenxing, ZHENG Huizhou, et al (2466)
Soil respiration patterns during restoration of vegetation in the Shapotou area, Northern China	GAO Yanhong, LIU Lichao, JIA Rongliang, et al (2474)
Dynamics of caloric value of <i>Robinia pseudoacacia</i> L. energy forest in the west of Henan Province	TAN Xiaohong, LIU Shiqi, MA Luyi, et al (2483)
Ex-situ symbiotic seed germination of <i>Dendrobium catenatum</i>	WU Huifeng, SONG Xiqiang, LIU Hongxia (2491)
Effects of red/far red ratio on morphological index, leaf area and dry matter partitioning of cut chrysanthemum flower	YANG Zaiqiang, ZHANG Jibo, LI Yongxiu, et al (2498)
Effect of prometryne on root activity and oxidative stress of <i>Polygala tenuifolia</i> Willd. seedling roots	WEN Yinyuan, GUO Pingyi, YIN Meiqiang, et al (2506)
Combined effects of elevated O ₃ concentration and UV-B radiation on photosynthetic characteristics of soybean	ZHENG Youfei, XU Weimin, WU Rongjun, et al (2515)
Nutrients transfer for host plant and litter decompositon by AMF in Karst soil	HE Yuejun, ZHONG Zhangcheng, DONG Ming (2525)
The dynamics of bacteria community diversity during the fermentation process of traditional soybean paste	GE Jingping, CHAI Yangyang, CHEN Li, et al (2532)
Effect of site-specific fertilization on soil phosphorus in purple garden soil	SUN Qianqian, WANG Zhengyin, ZHAO Huan, et al (2539)
A method of determining standards for ecological compensation in agricultural areas, giving priority to environmental flows in water allocation	PANG Aiping, SUN Tao (2550)
The loss of ecosystem services value caused by food security assessment model and it's application	LU Weiye, JIANG Zhide, ZHANG Yinglong, et al (2561)
Review and Monograph	
Review of the current situation of coastal ecological engineering using dredged marine sediments and prospects for potential application in China	HUANG Huamei, GAO Yang, WANG Yinxia, et al (2571)
Discussion	
Quorum sensing in anaerobic ammonium oxidation bacteria	DING Shuang, ZHENG Ping, ZHANG Meng, et al (2581)
Health evaluation of Dongting Lake based on morphological characters	SHUAI Hong, LI Jingbao, XIA Beicheng, et al (2588)
Scientific Note	
Effects of mix-leaf litter decomposition of different trees in the Loess Plateau	LIU Zengwen, DU Liangzhen, ZHANG Xiaoxi, et al (2596)
Changes in soil active organic carbon under different management types of bamboo stands	MA Shaojie, LI Zhengcui, WANG Bin, et al (2603)
Effects of drought stress on photosynthesis and associated physiological characters of pepper	OU Lijun, CHEN Bo, ZOU Xuexiao (2612)
Effects of silicon application and drought stress on photosynthetic traits and mineral nutrient absorption of rice leaves	CHEN Wei, CAI Kunzheng, CHEN Jining (2620)