

草业学报 (双月刊)
ACTA PRATACULTURAE SINICA

2011年6月 第20卷 第3期

目 次

研究论文

- 九寨沟马脑壳金矿矿山土壤养分空间分布格局 李武斌 何丙辉 王力 等(1)
宁南旱地草粮轮作田土壤水可持续利用模拟研究 王学春 李军 王美艳 等(10)
祁连山北坡天然草地地上生物量及其与土壤水分关系的比较研究 黄德青 于兰 张耀生 等(20)
杜鹃灌丛草地土壤容重与水分特征对不同休牧模式的响应 曹文侠 徐长林 张德罡 等(28)
播种方式对人工草地土壤有机碳氧化稳定性和化学结合形态的影响 杨恒山 邵继承 范富(36)
山西长治湿地草本植物优势种群和群落的空间格局分析 李素清 武冬梅 王涛 等(43)
黄河口滨海潮滩湿地 CO₂、CH₄ 和 N₂O 通量特征初步研究 王玲玲 孙志高 牟晓杰 等(51)
锡林郭勒盟草原三维数字模型的建立 王瑞永 乔江 袁清(62)
疏勒河上游地区植被物种多样性和生物量及其与环境因子的关系 陈生云 刘文杰 叶柏生 等(70)
盐分胁迫对紫穗槐幼苗生理生化特性的影响 邹丽娜 周志宇 颜淑云 等(84)
水葫芦沼液对青菜生长及 AsA-GSH 循环影响的动态研究 薛延丰 冯慧芳 石志琦 等(91)
渗透胁迫下不同地理种源白刺的生理响应 高暝 李毅 种培芳 等(99)
PEG 胁迫对不同地理种源沙拐枣生理特性的影响 邱真静 李毅 种培芳(108)
周期性去叶对地毯草克隆生长的影响 李洁英 解安霞 白昌军 等(115)
南方苜蓿新品种“渝苜一号”饲喂肉兔的营养价值评定 郭志强 宋代军 玉永雄 等(122)
0~56 日龄舍饲肉用羔羊前胃功能发育研究 郭江鹏 潘建忠 李发弟 等(128)
不同组合饲粮对绵羊瘤胃代谢参数的影响 李勇 郝正里 李发弟 等(136)
布氏乳杆菌对青玉米桔青贮发酵品质和有氧稳定性的影响 吕文龙 刁其玉 闫贵龙(143)
内蒙古青贮饲料质量研究 王晓娜 孙启忠 韩海波 等(149)
采用流式细胞仪鉴定紫花苜蓿花药愈伤组织的变异 耿小丽 魏臻武 姚喜红(156)
基于叶绿体 *trnL-F* 序列对广义披碱草属物种的系统进化研究 张春 凡星 沙莉娜 等(162)
不同防褐化措施对苏丹草愈伤诱导以及抗褐化的效果研究 吕宗友 苏衍菁 赵国琦 等(174)
垂穗披碱草种质资源繁殖相关特性遗传多样性研究 张妙青 王彦荣 张吉宇 等(182)
一种有效检测水稻叶鞘低丰度蛋白的方法 王莹 崔为同 杨明峰 等(192)
大头稗(005)与鹅头稗(031)的生物学性状与细胞学研究 吴姝菊 李新玲 唐凤兰(198)
裸仁美洲南瓜种皮性状遗传规律研究 薛应钰 师桂英 徐秉良 等(205)
苜蓿全基因组 WRKY 转录因子基因的分析 江腾 林勇祥 刘雪 等(211)
不同施磷浓度对柱花草和黑籽雀稗根系分布的影响 余爱 杨帆 张宇 等(219)
翻压绿肥对植烟土壤微生物量及酶活性的影响 李正 刘国顺 敬海霞 等(225)
施氮量对套作大豆花后光合特性、干物质积累及产量的影响 闫艳红 杨文钰 张新全 等(233)
施氮水平对多花黑麦草植株氮含量及反射光谱特征的影响 杨红丽 陈功 吴建付(239)
综合评述
我国草田轮作的历史、理论与实践概览 邢福 周景英 金永君 等(245)
△12-脂肪酸脱氢酶及其编码基因研究进展 刘永红 张丽静 张洪荣 等(256)
外来植物黄顶菊的入侵机制及生态调控技术研究进展 张天瑞 皇甫超河 杨殿林 等(268)
疯草及毒性成分研究进展 高新磊 韩冰 赵萌莉 等(279)
研究简报
不同覆盖物对无芒隐子草建植的影响 邵建辉 王彦荣 李晓霞 等(287)
通过花粉管通道法导入红树总 DNA 获得耐盐紫花苜蓿 T₀ 代植株及其 RAPD 验证 张立全 牛一丁 郝金凤 等(292)
辽宁省刺萼龙葵入侵区和未入侵区土壤真菌多样性研究 曲波 祝明炜 杨红 等(298)
大整薯稀播对马铃薯农艺性状和产量的影响 蔺海明 周建军 王蒂 等(304)

封面图片:框图引自任继周主编《草地农业生态系统通论》 背景为新疆天山牧场(张自和摄) 封面设计为张雪邛,史春燕

期刊基本参数:CN62-1105/S * 1990 * b * A4 * 308 * zh * P * ¥25.00 * 2000 * 39 * 2011-06

ACTA PRATACULTURA SINICA

Volume 20, Number 3, June 20th, 2011

CONTENTS

- Spatial distribution pattern of soil nutrient contents in Jiuzhaigou Manaoke Gold Mine Valley, Sichuan, China LI Wu-bin HE Bing-hui WANG Li *et al*(1)
- A simulation study on the sustainable use of soil water in dry land for alfalfa-crop rotation systems in the semiarid region of southern Ningxia WANG Xue-chun LI Jun WANG Mei-yan *et al*(10)
- Above-ground Biomass and its relationship to soil moisture of Natural Grassland in the Northern Slopes of the Qilian Mountains HUANG De-qing YU Lan ZHANG Yao-sheng *et al*(20)
- Ecological responses of soil bulk density and water content to different non-grazing patterns in alpine rhododendron shrubland CAO Wen-xia XU Chang-lin ZHANG De-gang *et al*(28)
- Effects of sowing methods on the oxidation stability and the chemical bound forms of soil organic carbon in artificial grassland YANG Heng-shan TAI Ji-cheng FAN Fu(36)
- Spatial pattern analysis of herbaceous community for dominant species and communities in Changzhi wetland, Shanxi LI Su-qing WU Dong-mei WANG Tao *et al*(43)
- A preliminary study on carbon dioxide, methane and nitrous oxide fluxes from intertidal flat wetlands of the Yellow River estuary WANG Ling-ling SUN Zhi-gao MOU Xiao-jie *et al*(51)
- The foundation of a grassland 3D-digital model for Xilin Gol WANG Rui-yong QIAO Jiang YUAN Qing(62)
- Species diversity of vegetation in relation to biomass and environmental factors in the upper area of the Shule River CHEN Sheng-yun LIU Wen-jie YE Bai-sheng *et al*(70)
- Effect of salt stress on physiological and biochemical characteristics of *Amorpha fruticosa* seedlings ZOU Li-na ZHOU Zhi-yu YAN Shu-yun *et al*(84)
- Dynamic changes in the growth and the AsA-GSH circulation metabolism of Chinese cabbage treated with a biogas slurry of water hyacinth XUE Yan-feng FENG Hui-fang SHI Zhi-qi *et al*(91)
- Physiological responses of *Nitraria tangutorum* from different geographic provenances under osmotic stress GAO Ming LI Yi CHONG Pei-fang *et al*(99)
- Effects of PEG stress on physiological characteristics of *Calligonum mongolicum* in different geographical provenance QIU Zhen-jing LI Yi CHONG Pei-fang(108)
- Effect of periodic defoliation on clonal growth in *Axonopus compressus* LI Jie-ying XIE An-xia BAI Chang-jun *et al*(115)
- Research on nutrition evaluation of Yumu No. 1 alfalfa in rabbit GUO Zhi-qiang SONG Dai-jun YU Yong-xiong *et al*(122)
- Functional development of forestomach in confined lambs at the age of 0-56 d GUO Jiang-peng PAN Jian-zhong LI Fa-di *et al*(128)
- Effect of different combinations of diet on rumen metabolic parameters of sheep LI Yong HAO Zheng-li LI Fa-di *et al*(136)
- Effect of *Lactobacillus buchneri* on the quality and aerobic stability of green corn-stalk silages LV Wen-long DIAO Qi-yu YAN Gui-long(143)
- The quality of silage in Inner Mongolia WANG Xiao-na SUN Qi-zhong HAN Hai-bo *et al*(149)
- Genetic variation of *Medicago sativa* callus revealed by the ploidy analyser GENG Xiao-li WEI Zhen-wu YAO Xi-hong(156)
- Phylogeny of *Elymus* sensu lato in Triticeae (Poaceae) based on plastid *trnL-F* sequence data ZHANG Chun FAN Xing SHA Li-na *et al*(162)
- Effects of anti-browning agents on the induction of sudangrass callus LV Zong-you SU Yan-jing ZHAO Guo-qi *et al*(174)
- A study on genetic diversity of reproductive characters in *Elymus nutans* germplasm resources ZHANG Miao-qing WANG Yan-rong ZHANG Ji-yu *et al*(182)
- An approach to detect the low-abundant proteins in rice leaf sheath WANG Ying CUI Wei-tong YANG Ming-feng *et al*(192)
- Studies of biological traits and karyotype of two barnyard grass variety WU Shu-ju LI Xin-ling TANG Feng-lan(198)
- A study on the genetic law of seed coat characters in hull-less *Cucurbita pepo* XUE Ying-yu SHI Gui-ying XU Bing-liang *et al*(205)
- Genome-wide analysis of the WRKY transcription factor family in *Medicago truncatula* JIANG Teng LIN Yong-xiang LIU Xue *et al*(211)
- Influences of different phosphorus concentrations on the root distribution of *Sylosanthes* and black seed *Paspalum* YU Ai YANG Fan ZHANG Yu *et al*(219)
- Effects of green manure application on the microbial biomass C and N contents and of the enzyme activity of tobacco-planting soil LI Zheng LIU Guo-shun JING Hai-xia *et al*(225)
- Effects of different nitrogen levels on photosynthetic characteristics, dry matter accumulation and yield of relay strip intercropping *Glycine max* after blooming YAN Yan-hong YANG Wen-yu ZHANG Xin-quan *et al*(233)
- Plant nitrogen content of annual ryegrass and spectral reflectance response to nitrogen application level YANG Hong-li CHEN Gong WU Jian-fu(239)
- History, theory and practice of pasture-crop rotation in China: A review XING Fu ZHOU Jing-ying JIN Yong-jun *et al*(245)
- Progress of research on $\Delta 12$ fatty acid desaturases and their coding genes LIU Yong-hong ZHANG Li-jing ZHANG Hong-rong *et al*(256)
- Invasion mechanism and ecological management of exotic plant, *Flaveria bidentis* ZHANG Tian-rui HUANGFU Chao-he YANG Dian-lin *et al*(268)
- Locoweed and advances in research on toxic components GAO Xin-lei HAN Bing ZHAO Meng-li *et al*(279)
- Effects of different mulching on the establishment of *Cleistogenes songorica* TAI Jian-hui WANG Yan-rong LI Xiao-xia *et al*(287)
- Production and RAPD verification of T_0 salt-tolerant alfalfa introducing the total DNA from *Rhizophora apiculata* by the pollen-tube pathway ZHANG Li-quan NIU Yi-ding HAO Jin-feng *et al*(292)
- A study on soil fungal diversity of *Solanum rostratum*-invaded and non-invaded areas in Liaoning province QU Bo ZHU Ming-wei YANG Hong *et al*(298)
- Effect of sparse sowing of large whole tubers on the yield and agronomic traits of potato LIN Hai-ming ZHOU Jian-jun WANG Di *et al*(304)