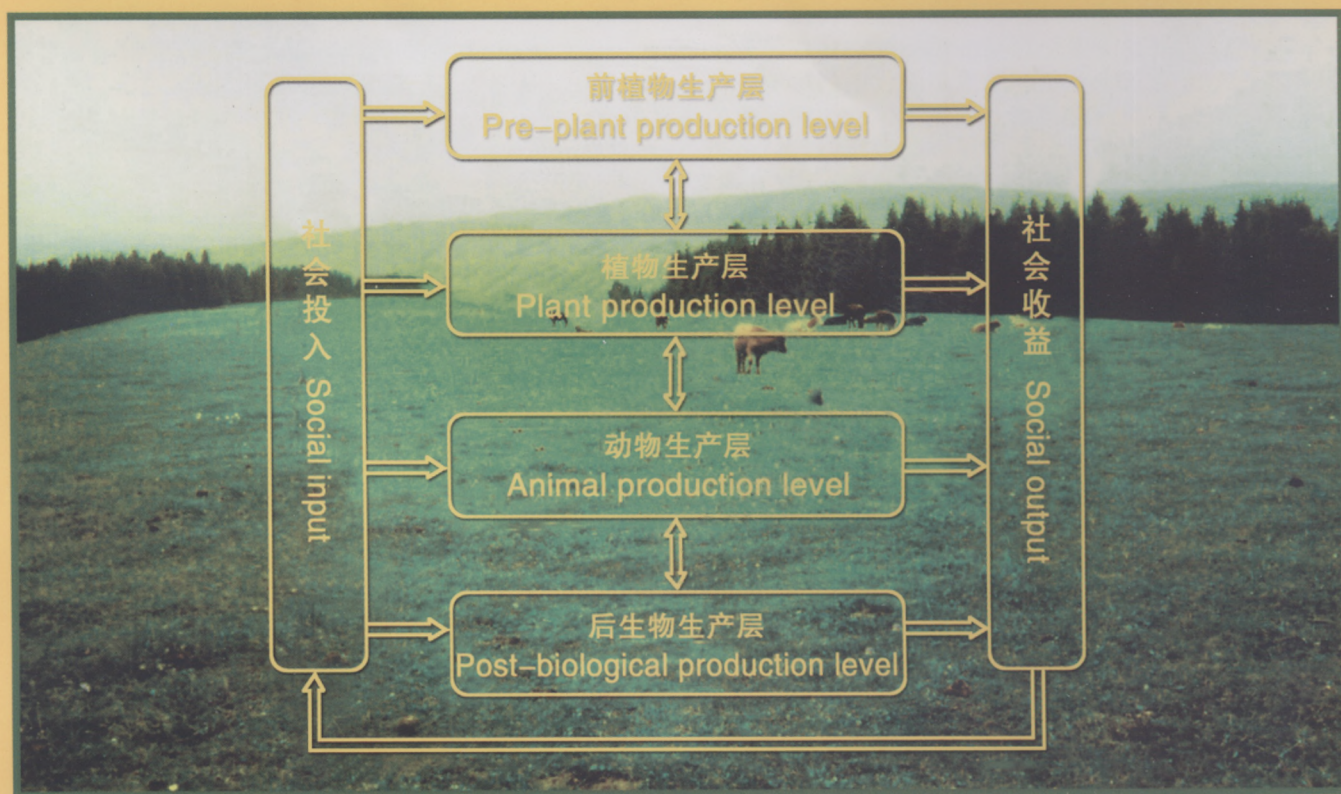


全国中文核心期刊
中国科学引文数据库(CSCD)核心期刊
英国CABI文摘数据库来源期刊
中国科技论文统计源期刊(中国科技核心期刊)
百种中国杰出学术期刊

ISSN 1004-5759
CODEN CAXUEX

草业学报

ACTA PRATACULTURAE SINICA



第21卷 Vol. 21

6/2012

中国草学会

CAOYE XUEBAO

草业学报 (双月刊)

ACTA PRATACULTURAE SINICA

2012年12月 第21卷 第6期

目次

院士高层论坛

北方农牧交错带以开发能源作物促生态重建的前景..... 程序 朱万斌(1)

研究论文

内蒙古不同草原类型土壤呼吸对放牧强度及水热因子的响应..... 杨阳 韩国栋 李元恒 等(8)

不同封育管理对沙质草地土壤与植被特征的影响..... 王蕙 王辉 黄蓉 等(15)

PEG模拟干旱胁迫对四种荒漠植物种子萌发的影响..... 杨景宁 王彦荣(23)

氮、磷输入对黄河口潮滩湿地不同生境下碱蓬种子萌发与幼苗生长的影响..... 宋红丽 孙志高 孙景宽 等(30)

青藏高原东部4科植物种子大小和比叶面积随海拔和生境的变异..... 齐威 郭淑青 崔现亮 等(42)

保水剂对梭梭幼苗生长及根系形态的影响..... 李兴 蒋进 宋春武 等(51)

铅梯度胁迫对多年生黑麦草幼苗生理生化特性影响..... 刘慧芹 韩巨才 刘慧平 等(57)

碱蓬和三角叶滨藜幼苗生长、光合特性对不同盐度的响应..... 彭益全 谢檀 周峰 等(64)

不同耕作措施下旱作春小麦叶水势动态及其对环境因子的响应..... 李杰 蔡立群 张鸣 等(75)

不同水分胁迫下水杨酸对分枝期扁蓿豆生长及光合生理的影响..... 崔秀妹 刘信宝 李志华 等(82)

不同耕作方式下春小麦生育期土壤酶时空变化研究..... 罗珠珠 黄高宝 蔡立群 等(94)

干旱胁迫对紫花苜蓿叶片和根系多胺代谢的影响..... 刘义 张春梅 谢晓蓉 等(102)

钙磷对酸铝胁迫后紫花苜蓿-根瘤菌体系结瘤固氮的修复效应..... 王晓锋 罗珍 刘晓燕 等(108)

不同施肥组合对苜蓿阴阳离子平衡的影响..... 李运起 高向培 李秋凤 等(117)

氮素运筹对皖草2号和墨西哥玉米吸收Ca、Mg、S的影响..... 张晓艳 王丽丽 朱建华 等(123)

酸中毒条件下添加阿卡波糖对瘤胃微生物发酵的影响..... 毛胜勇 何文波 朱伟云(130)

岷山红三叶异黄酮对去卵巢大鼠生长和免疫及抗氧化指标的影响..... 俞联平 郝正里 李发弟 等(137)

青海湖湖东区土一草一普氏原羚系统中微量元素含量研究..... 周立业 蒲秀瑛(145)

芒属部分类群花粉形态观察研究..... 卢玉飞 蒋建雄 艾辛 等(151)

ISSR分子标记对9种狗牙根的鉴定分析..... 刘君 赵琴 杨志民(159)

苜蓿乙烯应答因子基因的表达特性和生物信息学分析..... 陈婷婷 杨青川 张新全 等(166)

干旱胁迫下黄花苜蓿与蒺藜苜蓿两个抑制性差减杂交文库的构建及分析..... 王天佐 赵敏桂 张文浩(175)

紫花苜蓿MsZIP基因超表达载体的构建及转基因苜蓿检测..... 李燕 孙彦 杨青川 等(182)

羊草DREB转录因子的系统发育和功能研究..... 马兴勇 彭献军 苏蔓 等(190)

紫花苜蓿γ-生育酚甲基转移酶(γ-TMT)基因的克隆与逆境下的表达分析..... 贾会丽 王学敏 高洪文 等(198)

海滨雀稗体细胞突变体SP2008-3的特异性分析..... 常盼盼 钟小仙 刘智微(207)

西藏光核桃自然居群遗传多样性的SRAP分析..... 谭江平 曾秀丽 廖明安(213)

伊犁河谷湿地镰叶锦鸡儿群落的植物组成分析..... 贾娜尔·阿汗 赵玉 张维 等(221)

米氏冰草营养繁殖潜在种群与现实种群的关系..... 金晓明 刘及东 卢欣石 等(228)

高寒草甸恢复演替过程中生产力与植物功能特征关系的研究..... 张灵菲 魏斌 葛庆征 等(235)

不同混播方式豆禾混播草地生产性能的综合评价..... 郑伟 朱进忠 加娜尔古丽(242)

五节芒生物学特性及能量生产动态变化..... 陈慧娟 宁祖林 张卓文(252)

新疆三种主要草地植被类型的高光谱反射特征研究..... 杨红飞 李建龙 穆少杰 等(258)

甘肃省农产品加工业竞争力评价研究..... 郭智强 陈强强 马丁丑 等(267)

综合评述

青藏高原草地生态系统碳循环研究进展..... 秦彧 宜树华 李乃杰 等(275)

草地生态系统服务功能及其价值评估研究进展..... 刘兴元 牟月亭(286)

紫花苜蓿耐盐性研究进展..... 张立全 张凤英 哈斯阿古拉(296)

研究简报

黄河源头高寒草甸夏季土壤水热特征及相互关系研究..... 张娟 李晓东 李凤霞 等(306)

丝茅草侵入量与高羊茅相对竞争力及对幼坪性状影响的分析..... 刘金平 游明鸿(315)

相关信息

《草业学报》2012年总目次..... (321)

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*332*zh*P*¥25.00*2000*40*2012-12

ACTA PRATACULTURAE SINICA

Volume 21, Number 6. December 20th, 2012

CONTENTS

- Prospect of ecological restoration through tapping energy crops in Northern interlaced zone of arable lands and grasslands CHENG Xu ZHU Wan-bin(1)
- Response of soil respiration to grazing intensity, water contents, and temperature of soil in different grasslands of Inner Mongolia YANG Yang HAN Guo-dong LI Yuan-heng *et al*(8)
- Effects of different enclosure management on soil and plant characteristics of sandy grassland WANG Hui WANG Hui HUANG Rong *et al*(15)
- Effects of drought stress simulated by PEG on seed germination of four desert plant species ... YANG Jing-ning WANG Yan-rong(23)
- Effects of nitrogen and phosphorus on seed germination and seedling growth of *Suaeda salsa* under different growth conditions of the Yellow River Estuary SONG Hong-li SUN Zhi-gao SUN Jing-kuan *et al*(30)
- Variation of seed mass and SLA of 63 plant species in different habitats at various altitudes on the eastern Qinghai-Tibet Plateau QI Wei GUO Shu-qing CUI Xian-liang *et al*(42)
- Effect of super absorbent polymer on the growth and root morphology of *Haloxylon ammodendron* seedlings LI Xing JIANG Jin SONG Chun-wu *et al*(51)
- Influence of lead gradient stress on the physiological and biochemical characteristics of perennial ryegrass (*Lolium perenne*) seedlings LIU Hui-qin HAN Ju-cai LIU Hui-ping *et al*(57)
- Response of plant growth and photosynthetic characteristics in *Suaeda glauca* and *Atriplex triangularis* seedlings to different concentrations of salt treatments PENG Yi-quan XIE Tong ZHOU Feng *et al*(64)
- Dynamics of leaf water potential of spring wheat and responses to environmental factors under different tillage practices on dry land LI Jie CAI Li-qun ZHANG Ming *et al*(75)
- Effects of salicylic acid on growth and photosynthetic characteristics of *Melilotoides ruthenica* in branching stage under different water stress CUI Xiu-mei LIU Xin-bao LI Zhi-hua *et al*(82)
- Temporal and spatial disparities of soil enzyme activities during the spring wheat growing season under different tillage systems LUO Zhu-zhu HUANG Gao-bao CAI Li-qun *et al*(94)
- Effect of drought stress on polyamine metabolism in the leaves and roots of alfalfa LIU Yi ZHANG Chun-mei XIE Xiao-rong *et al*(102)
- Reparations of Ca²⁺ and P on N-fixation of alfalfa-rhizobia after acid aluminum stress WANG Xiao-feng LUO Zhen LIU Xiao-yan *et al*(108)
- Effects of fertilizer combinations on the cation-anion balance of alfalfa LI Yun-qi GAO Xiang-pei LI Qiu-feng *et al*(117)
- Effect of nitrogen application on the absorption of calcium, magnesium and sulfur in Wancao 2 and *Zea mexicana* ZHANG Xiao-yan WANG Li-li ZHU Jian-hua *et al*(123)
- Effect of acarbose addition on acute and subacute rumen acidosis in an *in vitro* fermentation study MAO Sheng-yong HE Wen-bo ZHU Wei-yun(130)
- Effect of isoflavone in red clover on the growth and immune functions, and in the antioxidant indices in ovariectomized rats YU Lian-ping HAO Zheng-li LI Fa-di *et al*(137)
- Research on the trace element contents of a soil-grass-Przewalski's gazelle ecosystem in Hudong, Qinghai, China ZHOU Li-ye PU Xiu-ying(145)
- Observations and study on the pollen morphology of some taxa of *Miscanthus* (Poaceae) LU Yu-fei JIANG Jian-xiong AI Xin *et al*(151)
- ISSR molecular markers analysis of 9 Bermudagrass cultivation varieties LIU Jun ZHAO Qin YANG Zhi-min(159)
- Bioinformatics and expression analyses of ethylene response factor genes in *Medicago* CHEN Ting-ting YANG Qing-chuan ZHANG Xin-quan *et al*(166)
- Construction and analyses of two suppression subtractive hybridization libraries of *Medicago falcata* and *Medicago truncatula* under drought stress WANG Tian-zuo ZHAO Min-gui ZHANG Wen-hao(175)
- Construction and transformation of an over-expression plasmid of the *MsZIP* gene from *Medicago sativa* LI Yan SUN Yan YANG Qing-chuan *et al*(182)
- Phylogeny and function characterization of DREB transcription factors in *Leymus chinensis* MA Xing-yong PENG Xian-jun SU Man *et al*(190)
- Cloning the gene of γ -tocopherol methyltransferase (γ -TMT) from alfalfa and expression analysis in adverse situations JIA Hui-li WANG Xue-min GAO Hong-wen *et al*(198)
- Comparison and analysis of the characteristics of mutant SP2008-3 and adalayd in seashore *Paspalum* CHANG Pan-pan ZHONG Xiao-xian LIU Zhi-wei(207)
- Genetic diversity of natural *Prunus mira* populations detected by SRAP ... TAN Jiang-ping ZENG Xiu-li LIAO Ming-an(213)
- Analysis on the composition structure of plant species in *Caragana aurantiaca* community in the Yili River Valley Marshes of Xinjiang Jianaer · Ahan ZHAO Yu ZHANG Wei *et al*(221)
- Relationship between vegetative potential populations and actual populations of *Agropyron michnoi* JIN Xiao-ming LIU Ji-dong LU Xin-shi *et al*(228)
- Relationship between productivity and plant functional traits along successive recovery stages in an alpine meadow ZHANG Ling-fei WEI Bin GE Qing-zheng *et al*(235)
- A comprehensive evaluation of the productive performance of legume-grass mixtures under different mixed sowing patterns ZHENG Wei ZHU Jin-zhong Jianaerguli(242)
- Studies on the biological characteristics and dynamics of energy production of *Miscanthus floridulus* CHEN Hui-juan NING Zu-lin ZHANG Zhuo-wen(252)
- Analysis of hyperspectral reflectance characteristics of three main grassland types in Xinjiang YANG Hong-fei LI Jian-long MU Shao-jie *et al*(258)
- Analysis on competitive power of the agricultural product processing industry from Gansu province GUO Zhi-qiang CHEN Qiang-qiang MA Ding-chou *et al*(267)
- Advance in studies of carbon cycling on alpine grasslands of the Qinghai-Tibetan Plateau QIN Yu YI Shu-hua LI Nai-jie *et al*(275)
- Research progress in the ecosystem services function and value of grasslands LIU Xing-yuan Mu Yue-ting(286)
- Research progress on alfalfa salt tolerance ZHANG Li-quan ZHANG Feng-ying HASI Agula(296)
- Research on characteristics and relationship of soil heat and moisture in summer on alpine grassland in Yellow River source region ZHANG Juan LI Xiao-dong LI Feng-xia *et al*(306)
- Effect of intrusion volume of *Imperata koenigii* on relative competitiveness and traits of young *Festuca arundinacea* turf LIU Jin-ping YOU Ming-hong(315)