

草业科学

CAOYE KEXUE

第 35 卷第 12 期(总第 305 期)

2018 年 12 月

目 次

前植物生产层

氮添加对不同退化程度高寒草地生态系统的影响

刘学敏,罗久富,邓东周,陈德朝,王丽娜,周金星(2773)

高寒矿区植被恢复对渣山表层基质的响应

金立群,李希来,宋梓涵,孙华方,杨鑫光(2784)

短期增温对亚高山草甸土壤养分和脲酶的影响

欧阳青,任健,尹俊,李永进,袁福锦(2794)

阿勒泰地区草地表层土壤容重的空间格局分析

厉方桢,朱华忠,李愈哲,欧阳克蕙,钟华平,乔宇鑫(2801)

锡林郭勒盟 2006—2015 年植被 NPP 变化分析

汤曾伟,王宏,李晓兵,迟登凯,李晓慧(2812)

2000—2015 年若尔盖地区植被覆盖度变化及气候因子驱动分析

杨瑞瑞,易桂花,张廷斌,李景吉,别小娟,夏杰,申一林(2822)

基于 Sentinel-2 数据的典型草原光合/非光合植被覆盖度估算

柴国奇,王静璞,邹学勇,王光镇,韩柳,王周龙(2836)

近 13 年渭干河—库车河绿洲植被覆盖动态变化分析

边慧芹,王雪梅(2845)

禁牧对盐池县草地覆被变化的影响

仲俊涛,王蓓,米文宝,毛文婷,杨显明,杨美玲(2855)

干旱胁迫对 9 种野生观赏草本植物生长及生理特性的影响

徐正茹,张建旗,王梅,曹效东,刘乐乐,许宏刚,李文哲(2865)

复配生长调节剂对草地早熟禾生长的影响

李灵章,陈頔,刘卓成,韩烈保(2872)

植物生产层

青海野决明、芒颖大麦草和盐生草种子萌发对盐分和干旱胁迫的响应特征

邹凯,王绿菁,王嘉茜,睢峥岩,曾彦军(2883)

NaCl 胁迫下南荻多倍体的无机盐离子吸收特征

段钧译,石艳兰,林宇环,黄红梅,刘清波,易自力,陈智勇(2893)

不同燕麦品种耐盐性差异及其生理机制

姜瑛,周萌,吴越,苗玉红,汪强,韩燕来(2903)

盐碱胁迫对菊芋块茎萌发及幼苗生长的影响

高凯,高阳,朱铁霞,滕爱娣(2915)

纳米硅肥对远东芨芨草幼苗模拟抗旱的影响

龚束芳,刘阳,逮馨逸,姜童童,王金刚(2924)

14 个紫花苜蓿杂交组合耐盐性比较

金艳,王英哲,陈晶晶,郭强,徐博(2931)

高粱×苏丹草杂交种品种选育与饲用价值

王红林,严旭,左艳春,周晓康,寇晶,杜周和(2940)

外施生长素对陆生型空心莲子草不定根生长发育的影响

芦旭然,杨霞,陈中义(2951)

行距和播种量对黄淮海平原紫花苜蓿产草量及品质的影响

张帆,康俊梅,赵忠祥,杨青川,张铁军(2960)

垂直切根对当年羊草构件及繁殖资源分配的影响

王欢,邓波,陈积山,孙泽微(2968)

青藏高原东缘垂穗披碱草草地群落组成及生产力

赵燕,杜文华(2978)

植物子叶生理功能的研究进展

王英男,彭晓媛,华晓雨,臧威,阎秀峰,蔺吉祥(2988)

甘肃省武威市苜蓿镰孢根腐病菌的鉴定

张贞明,柏玉晶,阿不满,杨成德(2998)

动物生产层

西北高寒牧区不同湖羊杂交组合后代生长模型分析

梁新亮,王丽,谢云龙,李万宏,李发弟,乐祥鹏(3004)

探地雷达在典型高寒草地高原鼠兔洞道结构研究中的应用

秦炎,秦彧,宜树华(3013)

后生物生产层

添加剂及装填时间对不同高粱品种青贮品质的影响

肖银宝,王建福,贺春贵,李尚中,姚喜喜,吴建平(3020)

我国牧区一二三产业融合发展的探讨:兼论我国牧区“绿色化、工业化、服务化”的融合发展

贺有利,卫静静(3028)

业界信息

(2923,2950,2959,3034, I , IV)

封面照片:栽培措施影响着牧草的产量、品质等特征,本期作者张帆等(PP:2960-2967)分析了行距和播种量对黄淮海平原苜蓿产量及其构成因素的影响。(封面照片为中国农业科学院北京畜牧兽医研究所培育的耐盐苜蓿中苜 3 号在河北黄骅示范基地的长势,由中国农业科学院北京畜牧兽医研究所 张铁军提供)

期刊基本参数:CN 62-1069/S * 1984 * m * A4 * 262 * zh * P * ¥20.00 * 4000 * 28 * 2018-12 * n

PRATACULTURAL SCIENCE

Monthly Vol.35 No.12 December 2018

CONTENTS

Effect of nitrogen addition on alpine grassland ecosystems degraded to different extents

..... LIU Xuemin, LUO Jiufu, DENG Dongzhou, CHEN Dechao, WANG Lina, ZHOU Jinxing(2773)

Effect of vegetation restoration on the surface substrates of piling mining residuals in the Muli Coal Field of Qinghai

..... JIN Liqun, LI Xilai, SONG Zihan, SUN Hunfang, YANG Xinguang(2784)

Effect of short-term simulated temperature enhancement on soil nutrients and urease activity of sub-alpine meadow

..... OUYANG Qing, REN Jian, YIN Jun, LI Yongjin, YUAN Fujin(2794)

Spatial pattern analysis of the soil bulk density of grasslands in the Aletai region, China

..... LI Fangzhen, ZHU Huazhong, LI Yuzhe, OUYANG Kehui, ZHONG Huaping, QIAO Yuxin(2801)

Variation of vegetation net primary productivity and its influential factors in Xilingol League from 2006 to 2015

..... TANG Zengwei, WANG Hong, LI Xiaobing, CHI Dengkai, LI Xiaohui(2812)

Vegetation coverage change and how it drives climatic factors in the Zoige Region from 2000 to 2015

..... YANG Ruirui, YI Guihua, ZHANG Tingbin, LI Jingji, BIE Xiaojuan, XIA Jie, SHEN Yilin(2822)

Estimating fractional cover of photosynthetic/non-photosynthetic vegetation in a typical steppe region based on Sentinel-2 data

..... CHAI Guoqi, WANG Jingpu, ZOU Xueyong, WANG Guangzhen, HAN Liu, WANG Zhoulong(2836)

Analysis of dynamic change in the past 13 years in vegetation covering the delta oasis of Weigan—Kuqa River

..... BIAN Huiqin, WANG Xuemei(2845)

Effect of grazing prohibition on grassland cover changes in Yanchi County

..... ZHONG Juntao, WANG Bei, MI Wenbao, MAO Wenting, YANG Xianming, YANG Meiling(2855)

Effect of drought stress on the growth and physiological characteristics of nine species of wild ornamental plants in Lanzhou

..... XU Zhengru, ZHANG Jianqi, WANG Mei, CAO Xiaodong, LIU Lele, XU Honggang, LI Wenzhe(2865)

Effect of a compound growth regulator on the growth of *Poa pratensis*

..... LI Lingzhang, CHEN Di, LIU Zhuocheng, HAN Liebao(2872)

Seed germination response characteristics of *Thermopsis przewalskii*, *Hordeum jubatum*, and *Halogeton glomeratus*

under salt and drought stresses ZOU Kai, WANG Lyujing, WANG Jiaqian, SUI Zhengyan, ZENG Yanjun(2883)

Characteristics of inorganic salt ion absorption of *Miscanthus lutarioriparius* polyploid under NaCl stress

..... DUAN Junyi, SHI Yanlan, LIN Yuhuan, HUANG Hongmei, LIU Qingbo, YI Zili, CHEN Zhiyong(2893)

- Evaluation of salt tolerance and its underlying physiological mechanisms in different oats
..... JIANG Ying, ZHOU Meng, WU Yue, MIAO Yuhong, WANG Qiang, HAN Yanlai(2903)
- Effect of saline-alkali stress on tuber germination and seedling growth of *Helianthus tuberosus*
..... GAO Kai, GAO Yang, ZHU Tiexia, TENG Aidi(2915)
- Influence of nano-silicon fertilizer on osmotic stress in *Achnatherum extremiorientale*
..... GONG Shufang, LIU Yang, SU Xinyi, JIANG Tongtong, WANG Jingang(2924)
- Comparison of salt tolerance of 14 alfalfa hybrid combinations
..... JIN Yan, WANG Yingzhe, CHEN Jingjing, GUO Qiang, XU Bo(2931)
- Breeding progress and feeding value of *Sorghum bicolor* $\times$ *S. sudanense*
..... WANG Honglin, YAN Xu, ZUO Yanchun, ZHOU Xiaokang, KOU Jing, DU Zhouhe(2940)
- Effect of exogenous auxin on root growth and development of terrestrial alligator weed
..... LU Xuran, YANG Xia, CHEN Zhongyi(2951)
- Effect of between-row spacing and seeding rate on alfalfa hay yield and quality of Huang Huai Hai Plain
..... ZHANG Fan, KANG Junmei, ZHAO Zhongxiang, YANG Qingchuan, ZHANG Tiejun(2960)
- Effect of root cutting on the components and reproductive allocation of *Leymus chinensis*
..... WANG Huan, DENG Bo, CHEN Jishan, SUN Zewei(2968)
- Study on the composition and productivity of the eastern Qinghai-Tibetan *Elymus nutans* grassland community
..... ZHAO Yan, DU Wenhua(2978)
- Research progress on the physiological function of plant cotyledons
..... WANG Yingnan, PENG Xiaoyuan, HUA Xiaoyu, ZANG Wei, YAN Xiufeng, LIN Jixiang(2988)
- Identifying the *Fusarium* spp. that function as the causal pathogens of alfalfa root rot in Wuwei, Gansu Province
..... ZHANG Zhenming, BAI Yujin, Abuman, YANG Chengde(2998)
- Growth model analysis of F₁ lambs of Hu sheep in the alpine region of northwest China
..... LIANG Xinliang, WANG Li, XIE Yunlong, LI Wanhong, LI Fadi, YUE Xiangpeng(3004)
- Application of ground penetrating radar in studying plateau pika burrows of typical alpine grasslands
..... QIN Yan, QIN Yu, YI Shuhua(3013)
- Effect of additives and loading time on the quality of different varieties of sorghum silage
..... XIAO Yinbao, WANG Jianfu, HE Chungui, LI Shangzhong, YAO Xixi, WU Jianping(3020)
- A discussion on integrated development of primary, secondary, and tertiary industries in pastoral areas of China;
A concurrent discussion on integrated development of greening, industrialization, and servitization of pastoral
areas of China HE Youli, WEI Jingjing(3028)