

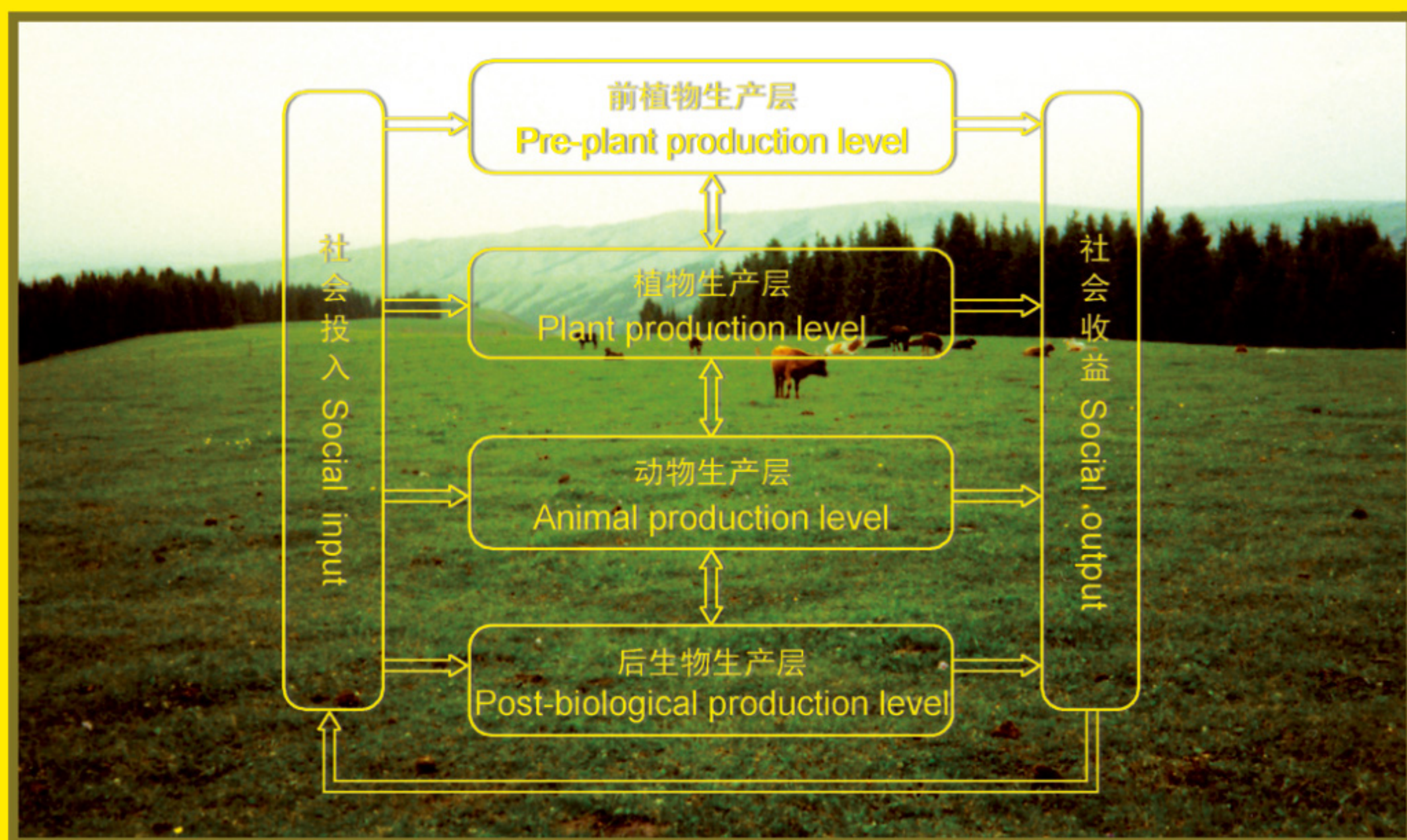
百种中国杰出学术期刊
中国科学引文数据库 (CSCD) 核心期刊
英国CABI文献数据库来源期刊
中国科技论文统计源期刊 (中国科技核心期刊)



ISSN 1004-5759
CN 62-1105/S

草业学报

ACTA PRATACULTURAE SINICA



第31卷 Vol.31

5/2022

中国草学会

CAOYE XUEBAO

草业学报

(CAO YE XUE BAO)

2022 年 5 月 第 31 卷 第 5 期 (月刊)

目次

研究论文

- 新疆天山北坡荒漠草原碳通量特征及其对环境因子的响应 郭文章, 井长青, 邓小进, 等(1)
- 不同草地类型 WOFOST 模型参数敏感性分析 秦格霞, 吴静, 李纯斌, 等(13)
- 沙化和人工植被重建对高寒草地土壤细菌群落特征的影响 王亚妮, 胡宜刚, 王增如, 等(26)
- 生长季不同月份平茬对柠条人工林地土壤细菌群落特性的影响 田英, 许喆, 朱丽珍, 等(40)
- 不同盐分条件下硅对两个高羊茅品种生物量分配和营养元素氮、磷、钾吸收利用的影响
..... 陈文瑞, 蒋朝, 周齐新, 等(51)
- 不同苜蓿品种混播和播种量对牧草产量及品质的影响 李满有, 李东宁, 王斌, 等(61)
- 现蕾期叶面喷素对紫云英籽粒数和籽粒重的影响 刘春增, 郑春风, 聂良鹏, 等(76)
- 毛地黄鼠尾草在不同授粉条件下的繁殖成功与花性状选择 张勃, 孙淑范(84)
- 沙芦草种子发芽抑制物的初步探究 于金田, 王晶, 伏兵哲, 等(92)
- 青藏高原燕麦附着耐低温乳酸菌的筛选与鉴定 蔺豆豆, 琚泽亮, 柴继宽, 等(103)
- 退化沙质草地菌根对细根分解过程中营养元素释放的影响 丁杰萍, 罗永清, 刘伟春, 等(115)
- 蒺藜苜蓿膜联蛋白 *MtANN2* 基因的表达模式及盐胁迫下的功能分析 刘亚男, 于人杰, 高燕丽, 等(124)
- 多年生黑麦草细胞分裂素信号通路 B 类 ARR 转录因子 *LpARR10* 的耐镉功能分析
..... 张晴, 邢静, 姚佳明, 等(135)
- 青藏高原东北边缘云杉-冷杉林火烧迹地不同坡向植物群落结构与多样性研究
..... 周晓雷, 闫月娥, 张婧, 等(144)
- 干旱与半干旱区红砂枯落物分解初期节肢动物群落结构特征 蒋嘉瑜, 连学, 唐希明, 等(156)
- 精料补饲水平对暖季放牧牦牛瘤胃发酵和菌群结构的影响 戴东文, 庞凯悦, 王迅, 等(169)
- 复方中药对热应激条件下杂交小尾寒羊生产性能、生理参数和血液理化指标的影响
..... 赵娟娟, 车大璐, 郭玮婷, 等(178)

综合评述

- 一种耐盐碱牧草——长穗偃麦草研究进展 李宏伟, 郑琪, 李滨, 等(190)
- 放牧家畜养分消化率的测定 金有顺, 侯扶江(200)

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 * m * A4 * 212 * zh * P * ¥25.00 * 400 * 19 * 2022-05 * n

ACTA PRATACULTURAE SINICA

Volume 31, Number 5. May 20th, 2022

CONTENTS

Variations in carbon flux and factors influencing it on the northern slopes of the Tianshan Mountains	GUO Wen-zhang, JING Chang-qing, DENG Xiao-jin, <i>et al</i> (1)
Sensitivity analysis of WOFOST model crop parameters in different grassland types	QIN Ge-xia, WU Jing, LI Chun-bin, <i>et al</i> (13)
Impacts of desertification and artificial revegetation on soil bacterial communities in alpine grassland	WANG Ya-ni, HU Yi-gang, WANG Zeng-ru, <i>et al</i> (26)
Effect of cutting time during the growing season on the soil bacterial community under an artificial <i>Caragana intermedia</i> plantation	TIAN Ying, XU Zhe, ZHU Li-zhen, <i>et al</i> (40)
Effects of silicon on biomass allocation and uptake and utilization of nitrogen, phosphorus, and potassium in two tall fescue (<i>Festuca arundinacea</i>) cultivars under different salinity conditions	CHEN Wen-rui, JIANG Zhao, ZHOU Qi-xin, <i>et al</i> (51)
The effect of mixed sowing and sowing rate of different alfalfa varieties on the yield and quality of forage	LI Man-you, LI Dong-ning, WANG Bin, <i>et al</i> (61)
Effects of foliar spray with various bioactive compounds on seed number and seed weight of Chinese milk vetch (<i>Astragalus sinicus</i>)	LIU Chun-zeng, ZHENG Chun-feng, NIE Liang-peng, <i>et al</i> (76)
Reproductive success and phenotypic selection on floral traits of <i>Salvia digitaloides</i> under different pollination conditions	ZHANG Bo, SUN Shu-fan (84)
A preliminary study on substances that inhibit germination in the seeds of <i>Agropyron mongolicum</i>	YU Jin-tian, WANG Jing, FU Bing-zhe, <i>et al</i> (92)
Screening and identification of low temperature tolerant lactic acid bacterial epiphytes from oats on the Qinghai—Tibetan Plateau	LIN Dou-dou, JU Ze-liang, CHAI Ji-kuan, <i>et al</i> (103)
Effects of mycorrhiza on nutrient release during fine root decomposition in degraded sandy grassland	DING Jie-ping, LUO Yong-qing, LIU Wei-chun, <i>et al</i> (115)
Expression pattern and biological functions of an annexin encoding gene <i>MtANN2</i> in <i>Medicago truncatula</i> under salt stress	LIU Ya-nan, YU Ren-jie, GAO Yan-li, <i>et al</i> (124)
The role of a cytokinin signaling pathway type-B ARR transcription factor, LpARR10, in cadmium tolerance of perennial ryegrass	ZHANG Qing, XING Jing, YAO Jia-ming, <i>et al</i> (135)
Vegetation community structure and diversity in a burned area of <i>Picea asperata</i> — <i>Abies fabri</i> forest on different aspects on the northeastern margin of the Qinghai—Tibetan Plateau	ZHOU Xiao-lei, YAN Yue-e, ZHANG Jing, <i>et al</i> (144)
The arthropod community structure in <i>Reaumuria soongorica</i> litter at the early stage of its decomposition in arid and semi-arid regions	JIANG Jia-yu, LIAN Xue, TANG Xi-ming, <i>et al</i> (156)
Effects of different concentrate supplement levels on rumen fermentation and microbial community structure of grazing yaks in the warm season	DAI Dong-wen, Pang Kai-yue, WANG xun, <i>et al</i> (169)
Effect of a Chinese medicine formula on the performance and physiological and blood biochemical parameters of hybrid Small-Tail Han sheep under heat stress	ZHAO Juan-juan, CHE Da-lu, GUO Wei-ting, <i>et al</i> (178)
Progress in research on tall wheatgrass as a salt-alkali tolerant forage grass	LI Hong-wei, ZHENG Qi, LI Bin, <i>et al</i> (190)
Determination of the nutrient digestibility of herbage consumed by grazing animals	JIN You-shun, HOU Fu-jiang (200)