

目 次

磷、铁处理对冬小麦种子萌发和幼苗活力的影响

..... 张婉晴 代梦雅 胡乃月 张英华(1)

陆地棉小 GTP 结合蛋白基因 *GhROP1* 和 *GhROP8* 的克隆及表达分析

..... 胡子曜 武晓玉 雷建峰 程贯富 刘超

代培红 梁春燕 徐诗佳 李月(13)

大豆 LIM 转录因子家族鉴定及盐胁迫响应分析

..... 陈奕博 杨万明 岳爱琴 王利祥 杜维俊 王敏(26)

蒙古冰草 GDSL 酯酶/脂肪酶基因的序列及表达分析

..... 闫秀秀 范菠菠 张学峰 于卓 房永雨 吴婧 赵彦 马艳红(41)

基于文献计量分析中国全生物降解地膜研究发展态势

..... 赵梓君 何文清 尹君华 刘勤(57)

百合属的起源、分类及资源多样性 杜方(68)

一种优化的 Swin Transformer 番茄叶片病害识别方法

..... 刘拥民 刘翰林 石婷婷 欧阳金怡 黄浩 谢铁强(80)

LED 不同光周期和占空比组合对生菜生长、光合及叶绿素荧光参数的影响

..... 马丽媛 李艳 张冠智 李洋 武永军 杨振超(91)

西门塔尔牛及其杂交牛的脂代谢相关血液指标及肉品质的比较分析

..... 吴怡 赵鹏飞 李晓睿 皇甫明科 陈志蒙 陈浩 李成蛟

包胡斯楞 白智明 包占英 李玉 斯木吉德 王纯洁 敖日格乐(101)

miR-376b-5p 调控绵羊产羔性状相关基因 *IGF1* 的表达

..... 李文韬 周丽娟 刘子嶷 王鹏 储明星 刘玉芳(108)

绵羊繁殖相关编码 RNA 和非编码 RNA 的研究进展

..... 刘在霞 张景萍 付绍印 何小龙 王标 何江峰

白音巴图 韩程志 马凤英 张文广 石彩霞 刘永斌(118)

基于特征匹配的羊体点云配准方法 马学磊 薛河儒 周艳青(129)

- 干酪乳杆菌对 DSS 诱导结肠炎小鼠焦虑样行为的影响及对结肠的保护作用
..... 王秋珍 邓自腾 兰静 刘雪连 范祥伟 薛毅 马云飞(139)
- 鲢鱼加工副产物的酶解产物对益生菌生长特性的影响
..... 张慧娟 刘月月 罗永康 洪惠 谭雨青(147)
- 装配式异质复合墙体日光温室热性能分析与评价 郑丽娟 韩建会 李永(159)
- “生产-生活-生态”空间的概念与理论研究
..... 段亚明 黄安 卢龙辉 冀正欣 许月卿(170)
- 我国耕地边际化研究现状与展望 王可超 肖武 余晨 陈航 谭永忠(183)
- 中国草食畜牧业空间转移特征及影响因素分析
..... 韩成吉 王国刚 张勇翔 董海宾(195)
- 基于地理探测器的藏东南高山峡谷区土地利用变化及其驱动机制
——以西藏林芝市为例 郭健斌 张英 张志伟 侯磊 曾维莲(210)
- 中国与主要大豆进口来源国价格关联和政策应对
..... 吴建寨 胡佳璇 邢丽玮 沈辰 迟亮 张晶 刘继芳(227)
- 基于生产要素视角的中国农业经济增长模式探析
——来自 75 个国家面板数据的国际比较 胡晨沛 胡霞 计薇(238)
- 农业全要素生产率的演化过程、测算方法与未来展望 林青宁 毛世平(248)
- 数字经济时代互联网使用如何影响农业劳动力转移决策?
——基于 CGSS 数据的实证分析 王伟新 许蒋鸿 陆玮 殷徐康(257)
- “一户一田”会影响粮食单产吗?
——基于山东省 506 个农户的实证分析 张成鹏 李梦琪 孙小龙 郭沛(274)

CONTENTS

- Effects of P and Fe treatments on seed germination and seedling vigor of winter wheat *ZHANG Wanqing, DAI Mengya, HU Naiyue, ZHANG Yinghua*(1)
- Molecular cloning and expression analysis of small GTP-binding protein genes *GhROP1 and GhROP8 in cotton (*Gossypium hirsutum L.*)*
 *HU Ziyao, WU Xiaoyu, LEI Jianfeng, CHENG Guanfu, LIU Chao, DAI Peihong, LIANG Chunyan, XU Shijia, LI Yue*(13)
- Identification of soybean *LIM* transcription factor family and analysis of salt stress response *CHEN Yibo, YANG Wanming, YUE Aiqin, WANG Lixiang, DU Weijun, WANG Min*(26)
- Sequence and expression analysis of GDSL esterase/lipase gene in *Agropyron mongolicum* *YAN Xiuxiu, FAN Bobo, ZHANG Xuefeng, YU Zhuo, FANG Yongyu, WU Jing, ZHAO Yan, MA Yanhong*(41)
- Development situation analysis of biodegradable mulch film based on bibliometric analysis in China *ZHAO Zijun, HE Wenqing, YIN Junhua, LIU Qin*(57)
- Origin, classification and germplasm diversity in *Lilium* *DU Fang*(68)
- Tomato leaf disease recognition based on an optimized Swin Transformer *LIU Yongmin, LIU Hanlin, SHI Tingting, OUYANG Jinyi, HUANG Hao, XIE Tieqiang*(80)
- Effects of different LED light supply modes on the growth, photosynthesis and fluorescence of lettuce *MA Liyuan, LI Yan, ZHANG Guanzhi, LI Yang, WU Yongjun, YANG Zhenchao*(91)
- Comparative analysis of blood indexes related to lipid metabolism and meat quality of Simmental and its crossbred cattle *WU Yi, ZHAO Pengfei, LI Xiaorui, Huangfumingke, CHEN Zhimeng, CHEN Hao, LI Chengjiao, BAO Siriguleng, BAI Zhiming, BAO Zhanying, LI Yu, Simujide, WANG chunjie, Aorige*(101)
- miR-376b-5p regulated the expression of lambing trait related gene *IGF1* in sheep *LI Wentao, ZHOU Lijuan, LIU Ziyi, WANG Peng, CHU Mingxing, LIU Yufang*(108)
- Research progress on the coding RNA and non-coding RNA related to sheep reproduction *LIU Zaixia, ZHANG Jingping, FU Shaoyin, HE Xiaolong, WANG Biao, He Jiangfeng, Baiyinbatu, HAN Chengzhi, MA Fengying, ZHANG Wenguang, SHI Caixia, LIU Yongbin*(118)
- Point cloud registration of sheep based on feature matching *MA Xuelei, XUE Heru, ZHOU Yanqing*(129)

- Effects of *Lactobacillus casei* on anxiety-like behavior in mice with colitis induced by DSS and its protective effect on colon WANG Qiuzhen, DENG Ziteng, LAN Jing, LIU Xuelian, FAN Xiangwei, XUE Yi, MA Yunfei (139)
- Effects of hydrolysates made from silver carp processing by-products on the growth of probiotics ZHANG Huijuan, LIU Yueyue, LUO Yongkang, HONG Hui, TAN Yuqing (147)
- Thermal performance analysis and evaluation on solar greenhouse with assembled heterogeneous composite wall QIE Lijuan, HAN Jianhui, LI Yong (159)
- Analysis on concept and theories of “Production-Living-Ecological” spaces DUAN Yaming, HUANG An, LU Longhui, JI Zhengxin, XU Yueqing (170)
- Research status and prospects of the cultivated land marginalization in China WANG Kechao, XIAO Wu, YU Chen, CHEN Hang, TAN Yongzhong (183)
- Spatial transfer characteristics and influencing factors of herbivorous animal husbandry in China HAN Chengji, WANG Guogang, ZHANG Yongxiang, Dong Haibin (195)
- Land use change and its driving mechanism in the alpine gorge of southeast Tibet based on geodetector: A case study of Nyingchi City GUO Jianbin, ZHANG Ying, ZHANG Zhiwei, HOU Lei, ZENG Weilian (210)
- Spatial dependence of soybean price and policy responses between China and major soybean import countries WU Jianzhai, HU Jiaxuan, XING Liwei, SHEN Chen, CHI Liang, ZHANG Jing, LIU Jifang (227)
- An analysis of China’s agricultural economic growth model based on the perspective of factors of production: International comparison of panel data from 75 countries HU Chenpei, HU Xia, JI Wei (238)
- Agricultural total factor productivity: Evolution process, calculation method and specific practice LIN Qingning, MAO Shiping (248)
- How internet use affects agricultural workforce transfer decision during digital economy era?: Empirical analysis based on CGSS data WANG Weixin, XU Jianghong, LU Wei, YIN Xukang (257)
- Will “one household one plot” affect the grain yield per unit area: Based on the empirical analysis of 506 farmers households in Shandong Province ZHANG Chengpeng, LI Mengqi, SUN Xiaolong, GUO Pei (274)