

目 次

华北平原麦-玉年际轮作的土壤氮磷钾分布及淋洗研究
 赵影星 宋彤 陈源泉 王彪 刘晴 隋鹏(1)

糯玉米耐贮藏相关性状的主效 QTL 定位
 蒋锋 刘伟杰 陈青春 张姿丽 孙伟 刘鹏飞(15)

山西省主推小麦品种芽期及苗期耐盐性的综合评价
 刘彤彤 李宁 魏良迪 杨进文 史雨刚 王曙光 孙黛珍(22)

水稻苗期耐冷种质资源筛选及耐冷性综合评价
 程露 项阳 逢洪波 职铭阳 赵宗耀 金明 陈强 郑晓明(34)

不同遮光处理对马铃薯光合作用和产量的影响
 唐鑫华 王堡槐 马佳 李威 张丽莉 石瑛(46)

木薯种茎越冬贮藏期间适宜温、湿度分析
 申章佑 林洪鑫 李华丽 周佳 李艳英 周灵芝 劳承英 韦本辉(57)

桃不同品种对低温胁迫的生理响应及评价
 王召元 田启航 常瑞丰 刘国俭 陈湖 李永红(66)

‘玫瑰香’葡萄果实成熟过程中质地与解剖结构的变化
 贾楠 尹勇刚 李敏敏 刘长江 韩斌 孙艳 赵胜建 郭紫娟(78)

西北荒漠绿洲区紫花苜蓿土壤氮素丰缺指标和推荐施氮量初步研究
 孙洪仁 穆尼热·买买提 沙吾列·沙比汗 卜耀军 乔楠(87)

大白母猪发情期前后唾液蛋白组学分析 李晨雷 齐昆龙 刘莹珂 叶建伟
 李新建 王克君 李秀领 乔瑞敏 韩雪蕾(98)

新疆动物源粪肠球菌的耐药性分析与耐药基因检测
 陈万昭 陈月月 易海波 秦蕾 徐琦琦 吴慧敏 夏利宁(110)

禽法氏囊发育与免疫功能研究新进展
 何洋 施红梅 杜彦丽 豆腾飞 王坤 贾俊静 葛长荣(120)

禽腺病毒血清 4 型 Fiber-2 蛋白在毕赤酵母中的优化表达及其免疫原性分析
 袁枫 宋慧琦 侯磊 韦莉 朱珊珊 全荣
 王菁 王丹 姜海军 刘浩 刘爵(132)

| | |
|--|----------------------------------|
| 基于改进的 DeepLabV3+ 模型结合无人机遥感的水稻倒伏识别方法 | 慕涛阳 赵伟 胡晓宇 李丹(143) |
| 节制闸开度对分水口流速分布的影响 | 李红 王文娥 胡笑涛 宋禹德 刘金良(155) |
| 干制对生鲜调理草鱼肉贮藏品质和菌群结构的影响 | 田丽 庄帅 罗涛 李鸣泽 洪惠 谭雨青 罗永康(164) |
| 高标准农田建设全过程监管机制的构建研究 | 师诺 赵华甫 任涛 齐瑞(173) |
| 2000—2021 年农田土壤污染领域研究进展与前沿分析 | 王成尘 田稳 马娇阳 保欣晨 邓志华 向萍(186) |
| 生物炭减缓农业生态系统土壤 N ₂ O 排放的研究进展 | 沈芳芳 罗昌泰 廖迎春 房焕英 周际海 沈发兴 袁颖红(202) |
| 黄土丘陵区乡村“人、境、地”演变特征及迁并村庄诊断分类 | |
| ——以陕西省米脂县为例 | 姜萌 谢臻 张凤荣 张天柱 常玉旸(214) |
| 中国农业绿色发展水平的地区差异及收敛性 | |
| ——基于地级市面板数据的实证 | 李欠男 李谷成 尹朝静(230) |
| 农户绿色生产技术采用行为及其对收入的影响 | |
| ——以武陵山茶叶主产区为例 | 彭斯 陈玉萍(243) |
| 玉米收储制度改革以来家庭农场经营行为的变化 | |
| ——基于辽宁省 H 县 22 家省级示范家庭农场的面板调查数据 | 刘慧 张宁宁 钟钰 王秋霖(256) |
| 消费者对国产婴幼儿奶粉质量安全风险感知偏差及其影响因素 | 崔力航 李翠霞 姜冰(265) |
| 农业企业线上市场进入时机的决策机制 | |
| ——来自中小型茶叶企业的经验证据 | 李松 赵冬梅(278) |
| 中国减贫实践 | |
| ——农村“光伏扶贫”政策的社会经济效益评价 | 李娜 张广来 周应恒 武文杰(294) |

CONTENTS

- Distribution and leaching of soil nitrogen, phosphorus and potassium under wheat-maize interannual rotation patterns in North China Plain
..... ZHAO *Yingxing*, SONG *Tong*, CHEN *Yuanquan*, WANG *Biao*, LIU *Qing*, SUI *Peng* (1)
- Major QTL mapping for storability related traits in waxy corn
..... JIANG *Feng*, LIU *Wei*, CHEN *Qingchun*, ZHANG *Zili*, SUN *Wei*, LIU *Pengfei* (15)
- Comprehensive evaluation of salt tolerance of wheat varieties in Shanxi Province during germination and seedling stage LIU *Tongtong*, LI *Ning*, WEI *Liangdi*, YANG *Jinwen*, SHI *Yugang*, WANG *Shuguang*, Sun *Daizhen* (22)
- Screening and comprehensive evaluation of cold-tolerant germplasm resources at rice seedling stage
..... CHENG *Lu*, XIANG *Yang*, PANG *Hongbo*, ZHI *Mingyang*, ZHAO *Zongyao*, JIN *Ming*, CHEN *Qiang*, ZHENG *Xiaoming* (34)
- Effects of different shading treatments on photosynthesis and yield of potato
..... TANG *Xinhua*, WANG *Baohuai*, MA *Jia*, LI *Wei*, ZHANG *Lili*, SHI *Ying* (46)
- Analysis of suitable temperature and humidity for cassava seed-stem overwintering storage
..... SHEN *Zhangyou*, LIN *Hongxin*, LI *Huali*, ZHOU *Jia*, LI *Yanying*, ZHOU *Lingzhi*, LAO *Chengying*, WEI *Benhui* (57)
- Physiological response and evaluation of different peach varieties under low temperature stress
..... WANG *Zhaoyuan*, TIAN *Qihang*, CHANG *Ruifeng*, LIU *Guojian*, CHEN *Hu*, LI *Yonghong* (66)
- Changes in fruit texture and anatomical structure of ‘Muscat Hamburg’ grapevines during ripening
..... JIA *Nan*, YIN *Yonggang*, LI *Minmin*, LIU *Changjiang*, HAN *Bin*, SUN *Yan*, ZHAO *Shengjian*, GUO *Zijuan* (78)
- Preliminary study on rich-lack index of soil N and recommended N fertilizer application rates for alfalfa in the northwest desert oasis of China
..... SUN *Hongren*, MAIMAITI *Munire*, SHABIHAN *Shawulie*, BU *Yaojun*, QIAO *Nan* (87)
- Salivary proteomics analysis of large white sows before and after estrus
..... LI *Chenlei*, QI *Kunlong*, LIU *Yingke*, YE *Jianwei*, LI *Xinjian*, WANG *Kejun*, LI *Xiuling*, QIAO *Ruimin*, HAN *Xuelei* (98)
- Drug resistance analysis and drug resistance gene detection of *Enterococcus faecalis* isolated from animals in Xinjiang CHEN *Wanzhao*, CHEN *Yueyue*, YI *Haibo*, QIN *Lei*, XU *Qiqi*, WU *Huimin*, XIA *Lining* (110)
- New progress on the development and immune function of the bursa of avian fabricius
..... HE *Yang*, SHI *Hongmei*, DU *Yanli*, DOU *Tengfei*, WANG *Kun*, JIA *Junjing*, GE *Changrong* (120)
- Optimized expression of fowl adenovirus type 4 Fiber-2 protein in *Pichia pastoris* and immunogenicity analysis of expressed product
..... YUAN *Feng*, SONG *Huiqi*, HOU *Lei*, WEI *Li*, ZHU *Shanshan*, QUAN *Rong*, WANG *Jing*, WANG *Dan*, JIANG *Haijun*, LIU *Hao*, LIU *Jue* (132)

| | | |
|--|--|-------|
| Rice lodging recognition method based on UAV remote sensing combined with the improved DeepLabV3+ model | <i>MU Taoyang, ZHAO Wei, HU Xiaoyu, LI Dan</i> | (143) |
| Influence of control gate opening on the velocity distribution of bifurcation channel | <i>LI Hong, WANG Wene, HU Xiaotao, SONG Yude, LIU Jinliang</i> | (155) |
| Effects of drying on the storage quality and microbial composition of fresh prepared grass carp (<i>Ctenopharyngodon idellus</i>) fillets | <i>TIAN Li, ZHUANG Shuai, LUO Tao, LI Mingze, HONG Hui, TAN Yuqing, LUO Yongkang</i> | (164) |
| Construction research on the whole-process supervision and management mechanism of high-standard farmland | <i>SHI Nuo, ZHAO Hua fu, REN Tao, QI Rui</i> | (173) |
| Research progress and frontier analyse of soil pollution in the farmland from 2000 to 2021 | <i>WANG Chengchen, TIAN Wen, MA Jiaoyang, BAO Xinchen, DENG Zhihua, XIANG Ping</i> | (186) |
| Review on biochar mitigating the soil N ₂ O emission from agro-ecosystems | <i>SHEN Fangfang, LUO Changtai, LIAO Yingchun, FANG Huanying, ZHOU Jihai, SHEN Faxing, YUAN Yinghong</i> | (202) |
| Evolution characteristics of “person, environment and land” in loess hilly region and the classification of moving and merging villages: A case study of Mizhi County, Shaanxi Province | <i>JIANG Meng, XIE Zhen, ZHANG Fengrong, ZHANG Tianzhu, CHANG Yuyang</i> | (214) |
| Regional differences and convergence of China’s agricultural green development level: Empirical analysis based on the panel data of prefecture-level cities | <i>LI Qianman, LI Gucheng, YIN Chaojing</i> | (230) |
| Farmers’ green production technology adoption behavior and its impact on income: Taking the main tea producing area of Wuling Mountain as an example | <i>PENG Si, CHEN Yuping</i> | (243) |
| Change of family farm business behavior since corn storage system reform: Based on the panel survey data of 22 provincial model family farms of H County in Liaoning Province | <i>LIU Hui, ZHANG Ningning, ZHONG Yu, WANG Qiulin</i> | (256) |
| Consumers’ perceived deviation towards the qualitative safety risk of domestic infant milk powder and its influential factors | <i>CUI Lihang, LI Cuixia, JIANG Bing</i> | (265) |
| Decision-making mechanism of online market entry timing for agricultural enterprises: Empirical evidence from small and medium-sized tea enterprises in China | <i>LI Song, ZHAO Dongmei</i> | (278) |
| China’s experience of poverty alleviation: Socioeconomic effect of rural “photovoltaic poverty alleviation” policy | <i>LI Na, ZHANG Guanglai, ZHOU Yingheng, WU Wenjie</i> | (294) |