

目 次

玉米单倍体雌穗育性自然恢复研究…………… 任姣姣 吴鹏昊 田小龙 陈琛 陈绍江(1)

不同化控剂对藜麦农艺性状及产量的影响
…………… 任永峰 黄琴 王志敏 杨亚东 梅丽 赵沛义(8)

高粱亲本系萌发期抗旱性鉴定 …………… 陈冰孺 徐宁 李淑杰 李继洪 侯佳明
李伟 石贵山 檀辉 高士杰 王鼐(17)

新疆滴灌冬小麦灌溉量对产量形成与水分利用的影响
…………… 赛力汗·赛 张永强 薛丽华 梁玉超 雷钧杰 陈兴武 王志敏(30)

寡聚酸碘抑制 TMV 活性测定及对番茄生长影响初探
…………… 胡雪芳 田志清 梁亮 王士奎 朱祥民 张志民(41)

粉枝莓 ISSR 遗传多样性和果实香气成分多样性分析
…………… 刘瑜 钟政昌 袁雷 谢博 曹东星(50)

河北苜蓿镰孢菌根腐病病原生物学特性研究
…… 孔前前 阮柳 刘东霞 刘振宇 张雨竹 秦丰 袁军海 马占鸿 王海光(59)

微藻营养强化对卤虫生长和营养成分的影响
…………… 张跃群 陈爱华 张雨 闫生荣 王小红 陆德祥(77)

奶牛喷淋降温水滴形态特性的数值模拟
…………… 张驰也 陈洋 施正香 丁涛 宏帅 方露梦(85)

乙酰化改性对芸豆分离蛋白凝胶特性的影响
…………… 左锋 王振忠 钱丽丽 李丹 关琛(95)

基于图像分割的苹果叶片几何参数计算…………… 张万红(101)

基于高光谱遥感的叶片总初级生产力 GPP 反演
…………… 邵佩佩 柴如琿 林志恒 方圣辉(109)

基于反射光谱全波段与双波段甘蔗叶片叶绿素预测模型比较	陈晓 李修华 王策 周永华 丁永军 农梦玲 艾娇燕	(118)
基于 GF-2 遥感影像的塑料大棚提取方法对比	高梦婕 姜群鸥 赵一阳 杨文涛 史明昌	(125)
基于高速摄影的冬枣果实振动脱落规律分析	傅隆生 刘智豪 冯亚利 谢洪起 彭俊 ELKAMIL Tola YAQOOB Majeed	崔永杰(135)
土壤墒情预测模型对比.....	牛宏飞 张钟莉莉 孙仕军 郑文刚 王材源 杨利红	(142)
圆盘式开沟机正反转开沟运动学分析及参数优化	彭强吉 康建明 荐世春 杨学军 刘立晶	(151)
山东省耕地后备资源宜耕性评价.....	董光龙 张文信 杨忠学 刘金花	(160)
金融集聚、产业结构优化对生态效率的冲击效应及其区域差异分析	吴义根 冯开文	(171)
城镇应急物资储备库动态多重覆盖模型——从供需角度出发	王飞飞 侯云先 李士森	(184)
不同养殖模式肉羊供给反应行为差异研究 ——基于 Dynamic Panel Nerlove 模型	王纪元 肖海峰	(196)
农村居民生活垃圾收运费用与支付意愿研究 ——基于全国五省的调查.....	唐旭 张越 方向明	(204)
明治时期以来日本远洋渔船业发展变化分析.....	张溢卓	(212)
2007—2017 年外来入侵害虫风险评估的文献分析及 常用风险评估模型介绍.....	王聪 蔡普默 仪传冬 陈家骅	(224)

CONTENTS

- Study on the haploid female fertility (HFF) of maize inbred lines
..... REN Jiaojiao, WU Penghao, TIAN Xiaolong, CHEN Chen, CHEN Shaojiang (1)
- Effects of chemical control on agronomic traits and yield of quinoa
..... REN Yongfeng, HUANG Qin, WANG Zhimin, YANG Yadong, MEI Li, ZHAO Peiyi (8)
- Identification of the drought resistance of sorghum parental lines at germination stage
..... CHEN Bingxu, XU Ning, LI Shujie, LI Jihong, HOU Jiaming, LI Wei,
SHI Guishan, TAN Hui, GAO Shijie, WANG Nai (17)
- Effects of different drip irrigation amount on yield formation and water use of winter wheat in Xinjiang
..... SAILihan • SAI, ZHANG Yongqiang, XUE Lihua, LIANG Yuchao,
LEI Junjie, CHEN Xingwu, WANG Zhimin (30)
- Inhibition activity of oligoglucuronic acids-iodine (OA-I) on TMV and its effect on tomato growth
..... HU Xuefang, TIAN Zhiqing, LIANG Liang,
WANG Shikui, ZHU Xiangmin, ZHANG Zhimin (41)
- Genetic and phytochemical diversities of *Rubus biflorus* Buch revealed by ISSR markers and fruit
aroma components LIU Yu, ZHONG Zhengchang, YUAN Lei, XIE Bo, CAO Dongxing (50)
- Biological characteristics of *Fusarium* causing alfalfa root rot in Hebei Province
..... KONG Qianqian, RUAN Liu, LIU Dongxia, LIU Zhenyu, ZHANG Yuzhu,
QIN Feng, YUAN Junhai, MA Zhanhong, WANG Haiguang (59)
- Effects of microalgae on the growth and nutrient enrichment of cultured *Artemia*
..... ZHANG Yuequn, CHEN Aihua, ZHANG Yu,
YAN Shengrong, WANG Xiaohong, LU Dexiang (77)
- Study on morphological characteristics of sprayed water drop by numerical simulation
..... ZHANG Chiye, CHEN Yang, SHI Zhengxiang,
DING Tao, HONG Shuai, FANG Lumeng (85)
- Effects of acetylated modification on the gel properties of red kidney bean protein isolation
..... ZUO Feng, WANG Zhenzhong, QIAN Lili, LI Dan, GUAN Chen (95)
- Calculating geometrical parameters of apple leaf based on the image segmentation
..... ZHANG Wanhong (101)
- Remote estimation of leaf gross primary productivity based on hyperspectral data
..... SHAO Peipei, CHAI Ruhui, LIN Zhiheng, FANG Shenghui (109)

- Comparison of sugarcane leaf chlorophyll prediction models based on full and dual reflected spectral bands *CHEN Xiao, LI Xiuhua, WANG Ce, ZHOU Yonghua, DING Yongjun, NONG Mengling, AI Jiaoyan* (118)
- Comparison of plastic greenhouse extraction method based on GF-2 remote-sensing imagery *GAO Mengjie, JIANG Qunou, ZHAO Yiyang, YANG Wentao, SHI Mingchang* (125)
- Analysis of winter jujube fruit motion in vibration harvesting based on high-speed videos *FU Longsheng, LIU Zhihao, FENG Yali, XIE Hongqi, PENG Jun, ELKAMIL Tola, YAQOOB Majeed, CUI Yongjie* (135)
- Comparative study on soil moisture content prediction model *NIU Hongfei, ZHANGZHONG Lili, SUN Shijun, ZHENG Wengang, WANG Caiyuan, YANG Lihong* (142)
- Parameter optimization and power consumption and kinematics analyses of clockwise and counterclockwise ditching *PEN Qiangji, KANG Jianming, JIAN Shichun, YANG Xuejun, LIU Lijing* (151)
- Suitability assessment of reserve cultivated land resources in Shandong Province *DONG Guanglong, ZHANG Wenxin, YANG Zhongxue, LIU Jinhua* (160)
- Impact of financial agglomeration and industrial structure optimization on ecological efficiency and its regional differences *WU Yigen, FENG Kaiwen* (171)
- Dynamic multiple coverage model of urban emergency material depository:
From the perspective of supply and demand *WANG Feifei, HOU Yunxian, LI Shisen* (184)
- Feeding behavior of sheep holders under different breeding modes:
Based on the dynamic panel data of farmers *WANG Jiyuan, XIAO Haifeng* (196)
- Cost and willingness to pay for the rural household waste collection:
Based on a survey of five provinces *TANG Xu, ZHANG Yue, FANG Xiangming* (204)
- Analysis on the development of Japan's pelagic fishing vessel industry since the Meiji Period *ZHANG Yizhuo* (212)
- Bibliometric based analysis of the risk assessment of alien invasive pest from 2007 to 2017 and introduction of several risk assessment models *WANG Cong, CAI Pumo, YI Chuandong, CHEN Jiahua* (225)