

目 次

连作条件下谷子叶片衰老与活性氧代谢研究

..... 李夏 妙佳源 高小丽 杨璞 高扬 冯佰利(1)

水杨酸浸种对 NaCl 胁迫下棉花种子萌发和幼苗根系生长的影响 王立红 孙影影

李星星 阿曼古丽·买买提阿力 拉扎提·努尔布拉提 张巨松(10)

斑割复合体及其杂交后代的生物量及根系性状 张保青 周珊 杨翠芳 黄玉新

周会 罗霆 段维兴 邓宇驰 李杨瑞 张革民(18)

不同施肥处理对富士苹果产量、品质及耐贮性的影响 赵佐平 同延安(26)

糖果鸢尾开花结实相关性状遗传分析

..... 阮丽丽 高亦珂 吴琦 符木 杨占辉 张启翔(35)

基于遥感技术的不同施氮水平下小麦条锈病病情反演研究 张玉萍 马占鸿(42)

秸秆+石灰氮+X-20 菌肥+高温闷棚处理对根结线虫种群数量变化的影响

..... 董海龙 路平 张作刚 徐玉梅 李新风 王建明(52)

印楝素 A 在 4 种有机溶剂中溶解度的测定与关联

..... 郝汉 冯建国 徐勇 李静 吴学民(59)

区域土壤重金属风险综合管理框架研究 王彬武 孙丹峰(65)

猪饲料利用效率的研究进展 蒲蕾 岳慧洁 张龙超 王立刚 施辉毕 王立贤(77)

金针菇菇脚对肉鸡 T、B 淋巴细胞免疫功能的影响

..... 张彤瑶 高雅松 张爱龙 周家生 宋慧(86)

新疆昌吉地区猪源喹诺酮耐药大肠杆菌 PMQR 因子检测及分析

..... 夏绪进 程伟华 夏利宁 苏战强 林亚军(95)

染色质免疫共沉淀技术对羊种布鲁氏菌转录调控因子 MucR 靶基因的筛选

..... 董浩 彭小薇 王晓英 孙雨 宋晓晖 吴清民(102)

乳酸杆菌产酶特性及蛋白酶对牛乳蛋白抗原性与过敏原性的影响

..... 石径 许倩 罗永康(107)

芦笋机械化收获技术现状与发展分析 陈度 ZHANG Qin 王书茂 王新(113)

基于 target-MOTAD 改进模型的设施农作物组合优化研究 温丹苹 李静(121)

自然因素影响下密云县河西小流域居民点空间分布特点及人居适宜性特征

..... 吴冬宁 李亚光 李四高(129)

农户高效农药喷雾技术采纳意愿——影响因素及其差异性分析

..... 吴雪莲 张俊飏 何可(137)

我国农业产业集群效率测度及其影响因素分析——基于首批 76 家农业产业化示范基地

..... 王丽明 王玉斌(149)

CONTENTS

Leaf senescence and reactive oxygen metabolism of millet under continuous cropping

..... LI Xia, MIAO Jia-yuan, GAO Xiao-li, YANG Pu, GAO Yang, FENG Bai-li(1)

Effects of salicylic acid soaking on seed germination and root growth of cotton under salt stress

..... WANG Li-hong, SUN Ying-ying, LI Xing-xing, MAIMAITIALI Amanguli,
NUERBULATI Lazhati, ZHANG Ju-song(10)

Biomass and root characters of intergeneric hybrid *Erianthus arundinaceus* × *Saccharum spontaneum*
and its progeny ZHANG Bao-qing, ZHOU Shan, YANG Cui-fang, HUANG Yu-xin,

ZHOU Hui, LUO Ting, DUAN Wei-xing, DENG Yu-chi, LI Yang-rui, ZHANG Ge-min(18)

Effect of different fertilization on apple yield, fruit quality and storage duration of Fuji apple

..... ZHAO Zuo-ping, TONG Yan-an(26)

Genetic analysis on flowering and fruiting related traits in *Pardancanda norrisii*

..... RUAN Li-li, GAO Yi-ke, WU Qi, FU Mu, YANG Zhan-hui, ZHANG Qi-xiang(35)

Wheat stripe rust disease index inversion by remote sensing technology under different nitrogen

application ZHANG Yu-ping, MA Zhan-hong(42)

Effects on the population numbers of root-knot nematode after treated with mixture of straw,
lime nitrogen, X-20 bio-fertilizers and high-temperature sealing treatments

..... DONG Hai-long, LU Ping, ZHANG Zuo-gang, XU Yu-mei, LI Xin-feng, WANG Jian-ming(52)

Measurement and correlation of the solubility for azadirachtin-a in four kinds of organic solvents

..... HAO Han, FENG Jian-guo, XU Yong, LI Jing, WU Xue-min(59)

Integrated risk governance framework of regional soil heavy metals

..... WANG Bin-wu, SUN Dan-feng(65)

Current progress in feed utilization efficiency of pig

..... PU Lei, YUE Hui-jie, ZHANG Long-chao, WANG Li-gang, SHI Hui-bi, WANG Li-xian(77)

Effects of *Flammulina velutipes* stembase on T and B lymphocyte immune functions of broilers

..... ZHANG Tong-yao, GAO Ya-song, ZHANG Ai-long, ZHOU Jia-sheng, SONG Hui(86)

Detection and analysis of PMQR determinants in Quinolone-resistant *Escherichia coli* isolates

from swine in Xinjiang Changji area XIA Xu-jin, CHENG Wei-hua, XIA Li-ning,
SU Zhan-qiang, LIN Ya-jun(95)

Identification of the targets of MucR by chromatin immunoprecipitation in <i>Brucella melitensis</i>	DONG Hao, PENG Xiao-wei, WANG Xiao-ying, SUN Yu, SONG Xiao-hui, WU Qing-min(102)
Enzyme-producing ability of <i>Lactobacillus</i> and effects of proteinase hydrolysis on the antigenicity and allergenicity of bovine milk proteins	SHI Jing, XU Qian, LUO Yong-kang(107)
Current status and future solutions for asparagus mechanical harvesting	CHEN Du, ZHANG Qin, WANG Shu-mao, WANG Xin(113)
Optimization of facility crop combinations based on the target-MOTAD improved model	WEN Dan-ping, LI Jing(121)
The spatial distribution characteristic of rural residential areas and characteristics of the human settlement suitability under the influence of natural factors in Miyun River Basin	WU Dong-ning, LI Ya-guang, LI Si-gao(129)
Farmers' willingness to adopt the effective pesticide spraying technology; Influencing factors and group heterogeneity	WU Xue-lian, ZHANG Jun-biao, HE Ke(137)
Measurement on the efficiency of China's agricultural cluster and analysis its influencing factor; Based on 76 agricultural industry demonstration base	WANG Li-ming, WANG Yu-bin(149)