

## 目 次

新型杀菌剂‘Cabrio’和‘Opera’对夏玉米穗粒数的调控效应

..... 顾双呈 王媛媛 张萍 黄收兵 王璞(1)

河北省水资源变化及可持续性评估 ..... 李腾 刘晴 隋鹏(11)

远红光辐照对盐旱胁迫下水稻萌发及幼苗生长的影响

..... 朱梅 栗昕羽 张天彤 陈雷(21)

NtCPS2 基因对顺-冷杉醇与赤霉素合成代谢途径的影响

..... 贺凌霄 何雷 李洪臣 李芳芳 颜培强 姚远

薛刚 孙聚涛 杨铁钊 徐世晓(33)

棘孢木霉菌剂对黄瓜生理特性及产质量的影响

..... 廉华 马光恕 李梅 张帆 张君鸣(42)

猪活动区域多孔介质模型及其阻力系数的 CFD 模拟

..... 刘德钊 辛宜聪 荣莉 王朝元 李保明(53)

长期饲喂柑橘提取物对肥育猪血液生化指标、抗氧化能力、免疫功能

以及游离氨基酸的影响 ..... 崔艺燕 田志梅 鲁慧杰

邓盾 容庭 李贞明 王刚 马现永(63)

驴肉在低温成熟过程中理化特性及抗氧化性能的变化规律

..... 张心壮 林靖凯 刘宇 芒来(73)

功能性非编码 RNA 调控反刍家畜乳脂代谢的研究进展

..... 母童 虎红红 冯小芳 顾亚玲 张娟(80)

捻转血矛线虫丙硫咪唑敏感虫株和耐药虫株 miRNA-mRNA 关联比较分析

..... 王腾宇 陈昕迪 翟帅 石雅琴 刘春霞 王文龙(90)

根际微生态防治作物土传真菌病害的机制研究进展

..... 高游慧 郑泽慧 张越 胡跃高 王小芬(100)

花生壳生物炭用量对猪粪堆肥温室气体和 NH<sub>3</sub> 排放的影响

..... 王义祥 叶菁 林怡 刘岑薇 李艳春(114)

长江经济带中部大都市气候变化与土地利用响应	
——以武汉市为例	尹梦晗 艾东 叶菁(126)
基于专利文献计量来看我国土壤调理剂发展趋势	
.....	范贝贝 彭宇涛 张冉 高宝林 陈清(141)
有机质和粒径对中国4类典型土壤镁吸附量的影响	
.....	童灵 张雪 张思文 叶德练 吴良泉 李学贤(150)
预处理方式对枸杞子热风和远红外干燥下品质的影响	
.....	罗燕 黄晓鹏 李声元 岳元满 万芳新(159)
基于深度残差网络的麦穗回归计数方法	
.....	刘航 刘涛 李世娟 李路华 吕纯阳 刘升平(170)
育肥猪生长过程中脸部变化对识别模型准确率的影响	
.....	张建龙 周康 庄晏榕 滕光辉(180)
基于双阶段注意力机制和LSTM的鸡舍氨气浓度预测算法	
.....	郭祥云 连京华 李慧敏 孙凯(187)
畜禽产品水足迹研究进展	邢浩翰 李保明 郑炜超 刘志丹 张源辉(196)
在线评论特征对生鲜电商农产品销量的影响	
——来自淘宝羊肉大数据的证据	胡雅淇 林海(206)
家庭自有农机如何影响土地流转?	
——基于CFPS的实证分析	钱龙 高强 方师乐(219)
多项绿色生产技术的采纳决策:影响因素及相关性分析	
.....	毛欢 罗小锋 唐林 黄炎忠(231)
我国秸秆焚烧管理和综合利用的法律法规研究及建议	
.....	王瑞波 姜茜 孙炜琳 刘丽萍(245)

## CONTENTS

- Effects of new fungicides ‘Cabrio’ and ‘Opera’ on grain number per ear of summer maize ..... GU Shuangcheng, WANG Yuanyuan, ZHANG Ping, HUANG Shoubing, WANG Pu(1)
- Changes and sustainability assessment of water resources in Hebei Province ..... LI Teng, LIU Qing, SUI Peng(11)
- Effects of far red light irradiation on the germination and seedling growth of rice under salt and drought stress ..... ZHU Mei, LI Xinyu, ZHANG Tiantong, CHEN Lei(21)
- Effects of *NtCPS2* gene on the anabolic pathways of cis-abienol and gibberellin ..... HE Lingxiao, HE Lei, LI Hongchen, LI Fangfang, YAN Peiqiang, YAO Yuan, XUE Gang, SUN Jutao, YANG Tiezhao, XU Shixiao(33)
- Effects of *Trichoderma asperellum* agents on physiological characteristics, yield and quality of cucumber ..... LIAN Hua, MA Guangshu, LI Mei, ZHANG Fan, ZHANG Junming(42)
- CFD simulation on porous media model and resistant coefficients of pig occupied zone ..... LIU Dezhao, XIN Yicong, RONG Li, WANG Chaoyuan, LI Baoming(53)
- Effects of long-term feeding of citrus extract on blood biochemical indexes, antioxidant capacity, immune function and free amino acids of finishing pigs ..... CUI Yiyuan, TIAN Zhimei, LU Huijie, DENG Dun, RONG Ting, LI Zhenming, WANG Gang, MA Xianyong(63)
- Changes of physical and chemical indicators and antioxidant properties of donkey meat during chilled aging ..... ZHANG Xinzhuang, LIN Jingkai, LIU Yu, MANG Lai(73)
- Research progress of functional non-coding RNA regulating milk fat metabolism in ruminants ..... MU Tong, HU Honghong, FENG Xiaofang, GU Yaling, ZHANG Juan(80)
- Comparative analysis of miRNA-mRNA association between albendazole-susceptible and-resistant strains of *Haemonchus contortus* ..... WANG Tengyu, CHEN Xindi, ZHAI Shuai, SHI Yaqin, LIU Chunxia, WANG Wenlong(90)
- Mechanism of rhizosphere micro-ecology in controlling soil-borne fungal diseases: A review ..... GAO Youhui, ZHENG Zehui, ZHANG Yue, HU Yuegao, WANG Xiaofen(100)
- Effects of peanut shell biochar on greenhouse gas and NH<sub>3</sub> emissions during swine manure composting ..... WANG Yixiang, YE Jing, LIN Yi, LIU Cenwei, LI Yanchun(114)
- Climate change and land use response of metropolis of the Yangtze River Economic Belt: A case study of Wuhan ..... YIN Menghan, AI Dong, YE Jing(126)

- Trend of soil conditioner in China based on bibliometric analysis on patents  
..... *FAN Beibei , PENG Yutao , ZHANG Ran , GAO Baolin , CHEN Qing*(141)
- Effects of organic matter and particle size on magnesium adsorption capacity of  
four types of soils in China ..... *TONG Ling , ZHANG Xue , ZHANG Siwen ,  
YE Delian , WU Liangquan , LI Xuexian*(150)
- Effect of pretreatment methods on the quality of *Lycium barbarum* L. under  
hot air-drying and far-infrared drying  
..... *LUO Yan , HUANG Xiaopeng , LI Shengyuan , YUE Yuanman , WAN Fangxin*(159)
- Research on wheat ear regression counting based on deep residual network  
..... *LIU Hang , LIU Tao , LI Shijuan , LI Luhua , LV Chunyang , LIU Shengping*(170)
- Effect of facial changes on the accuracy of the recognition model during the growth of finishing pigs  
..... *ZHANG Jianlong , ZHOU Kang , ZHUANG Yanrong , TENG Guanghui*(180)
- Ammonia concentration forecasting algorithm in layer house based on two-stage attention  
mechanism and LSTM ..... *GUO Xiangyun , LIAN Jinghua , LI Huimin , SUN Kai*(187)
- Research progress on water footprint of livestock and poultry products  
..... *XING Haohan , LI Baoming , ZHENG Weichao , LIU Zhidan , ZHANG Yuanhui*(196)
- Effects of online-review characteristics on agricultural products sales of fresh e-commerce:  
Evidence from the big data about mutton products on Taobao platform  
..... *HU Yaqi , LIN Hai*(206)
- How does home-owned agricultural machinery affect land transfer?  
An empirical analysis based on CFPS ..... *QIAN Long , GAO Qiang , FANG Shile*(219)
- Adoption decisions of multiple agricultural green production technologies:  
Explanatory factors and correlation analysis  
..... *MAO Huan , LUO Xiaofeng , TANG Lin , HUANG Yanzhong*(231)
- Research and proposals on laws and regulations of crop straw burning control and  
comprehensive utilization in China  
..... *WANG Ruibo , JIANG Qian , SUN Weilin , LIU Liping*(245)