

目次

作物学

自然储存条件下水稻种子耐储藏性状QTL的定位

.....陈文凤, 黄浩, 丁晓雯, 林晋军, 姚威, 陈倩茹, 黄希来, 刘雄伦, 吴俊, 陈哲红, 程计华, 刘金灵(1)

垂直深耕下不同外源物对上部烟叶品质的调控

.....苏赞, 胡逸超, 熊坤龙, 龚嘉, 彭光爵, 陈义昌, 郑卜凡, 梁靖淞, 陈伟浩, 李俊霖(6)

4-甲基愈创木酚- β -D-葡萄糖苷的合成及其在卷烟加香中的应用研究.....张改红, 杜帅, 许航, 徐月莹, 石栋栋, 毛多斌(16)

园艺·园林

不同施肥处理对黄金茶鲜叶挥发性成分及其制成绿茶品质的影响

.....鲍肃都, 安勤, 陈宏宇, 刘洋, 陈国和, 黄纯勇, 胡凯玥, 陈金华, 刘仲华, 陈艳, 黄建安(24)

甜瓜种质资源遗传多样性分析与核心种质构建.....卿东山, 何长征, 罗玉松, 宋慧娟, 蔡雁平, 孙小武, 戴思慧(36)

山银花‘金翠蕾’愈伤组织诱导及植物生长调节剂2,4-D对愈伤组织中绿原酸质量分数的影响

.....陈蓉, 罗景鸣, 胡辉亮, 申莹莹, 彭国平, 饶力群, 刘实, 汪启明(44)

农业资源利用

水管理下虾壳粉还田对土壤和水稻中镉累积的影响.....江慧芳, 马莉, 杜林森, 李奎, 肖智华, 王华(51)

腐殖酸钾对红壤镉的稳定作用与机制.....潘少兵, 张雪晴, 谢颖, 代二海, 王国鑫, 胡程凯, 彭可睿, 林雨欣, 陶炳娇(60)

生物炭-城市污水厂污泥堆肥复合改良剂对盐渍土壤的改良效果.....于丽明, 初正崑, 袁延飞, 陈姝谚, 郑浩(68)

畜牧·兽医·水产

基于转录组学研究宁乡猪肌肉的生长发育

.....张维, 崔清明, 任慧波, 陈晨, 李华丽, 胡雄贵, 朱吉, 杨仕柳, 李述初, 张四阳, 彭英林, 刘莹莹(80)

偏硅酸型矿泉水对小鼠脏器指数和血清生化指标及肠道菌群结构的影响

.....陈玉章, 吴沁, 蓝鹏程, 杨明鑫, 李晓冰, 李焰(89)

农业工程

水稻秸秆在割台螺旋搅龙输送下的流动特性分析.....张彪, 王邦追, 王国强, 荆天天, 唐忠, 吴美玲, 李亚健(97)

基于YOLOv7的轻量化农田害虫检测算法.....张鹏程, 矫桂娥, 毕卓(103)

基于YOLOv8n的梨树叶片病害检测模型.....黄政, 张涛, 孔万仔, 赵丹枫, 魏泉苗(113)

β -苯乙醇在烟草秸秆活性炭上的吸附及缓释性能

.....许克静, 刘向真, 刘语煊, 马一琼, 郝辉, 张智轩, 方志辉, 梁淼, 陈小龙, 张峻松(122)

Contents

Crop Science

- QTL mapping for seed storage tolerance trait in rice under natural conditions.....CHEN Wenfeng, HUANG Hao, DING Xiaowen, LIN Jinjun, YAO Wei, CHEN Qianru, HUANG Xilai, LIU Xionglun, WU Jun, CHEN Zhehong, CHENG Jihua, LIU Jinling (1)
- Control of top tobacco leaf quality by different exogenous substances under vertical deep tillage.....SU Zan, HU Yichao, XIONG Kunlong, GONG Jia, PENG Guangjue, CHEN Yichang, ZHENG Bufan, LIANG Jingsong, CHEN Weihao, LI Junlin (6)
- Synthesis of 4-methylguaiacol- β -D-glucoside and its application in cigarettes flavoring.....ZHANG Gaihong, DU Shuai, XU Hang, XU Yueying, SHI Dongdong, MAO Duobin (16)

Horticulture · Landscape

- Effects of different fertilization treatments on volatile components in fresh leaves of Huangjin tea and on quality of the processed green tea.....BAO Sudu, AN Qin, CHEN Hongyu, LIU Yang, CHEN Guohe, HUANG Chunyong, HU Kaiyue, CHEN Jinhua, LIU Zhonghua, CHEN Yan, HUANG Jian'an (24)
- Genetic diversity analysis of melon germplasm resources and construction of the core germplasm.....QING Dongshan, HE Changzheng, LUO Yusong, SONG Huijuan, CAI Yanping, SUN Xiaowu, DAI Sihui (36)
- Effect of callus induction and plant growth regulator 2,4-D on callus chlorogenic acid mass fraction of *Lonicera hypoglauca* 'Jinculei'.....CHEN Rong, LUO Jingming, HU Huiliang, SHEN Yingying, PENG Guoping, RAO Liqun, LIU Shi, WANG Qiming (44)

Agricultural Resource Exploitation

- Effects of crayfish shell powder returning to paddy field under water management on cadmium accumulation in soil and rice.....JIANG Huifang, MA Li, DU Linsen, LI Kui, XIAO Zhihua, WANG Hua (51)
- Stabilizing effect and mechanism of potassium humate on cadmium in red soil.....PAN Shaobing, ZHANG Xueqing, XIE Ying, DAI Erhai, WANG Guoxin, HU Chengkai, PENG Kerui, LIN Yuxin, TAO Bingjiao (60)
- Improving salt-affected soil using a biochar-municipal sewage sludge compost composite amendment.....YU Liming, CHU Zhengkun, YUAN Yanfei, CHEN Shuyan, ZHENG Hao (68)

Animal · Veterinary · Aquatic

- Study on muscle growth and development in Ningxiang pigs based on transcriptomics.....ZHANG Wei, CUI Qingming, REN Huibo, CHEN Chen, LI Huali, HU Xionggu, ZHU Ji, YANG Shiliu, LI Shuchu, ZHANG Siyang, PENG Yinglin, LIU Yingying (80)
- Effects of metasilicic acid mineral water on organ index, serum biochemical indexes and intestinal flora structure in mice.....CHEN Yuzhang, WU Qin, LAN Pengcheng, YANG Mingxin, LI Xiaobing, LI Yan (89)

Agricultural Engineering

- Analysis of the flow characteristics of rice straw transported by spiral churn on cutting tables.....ZHANG Biao, WANG Bangzhui, WANG Guoqiang, JING Tiantian, TANG Zhong, WU meiling, LI yajian (97)
- Lightweight farmland pest detection algorithm based on YOLOv7.....ZHANG Pengcheng, JIAO Guie, BI Zhuo (103)
- Detection model of pear leaf disease based on YOLOv8n.....HUANG Zheng, ZHANG Tao, KONG Wanzai, ZHAO Danfeng, WEI Quanmiao (113)
- Adsorption and sustained release properties of β -phenylethanol using tobacco straw activated carbon.....XU Kejing, LIU Xiangzhen, LIU Yuxuan, MA Yiqiong, HAO Hui, ZHANG Zhixuan, FANG Zhihui, LIANG Miao, CHEN Xiaolong, ZHANG Junsong (122)

Executive editor: WU Jinhua, MAO Youchun, ZOU Huiling

English consultant: LUO Wei, LIU Zheng, ZHANG Chengping

Serial parameters: CN 43-1257/S*1956*b*A4*128*zh*P*¥15.00*500*15*2025-04