



目次

作物遗传育种·种质资源·分子遗传学

1827-1837 doi: 10.3864/j.issn.0578-1752.2023.10.001
自然衰老棉花种子的生理变化及 ATP 合成酶亚基 mRNA 的完整性
宋词 谷丰序 邢真真 张峻铭 赫文学 王天波 王雨露 陈军营

1838-1847 doi: 10.3864/j.issn.0578-1752.2023.10.002
基于分子标记技术玉米抗粗缩病种质资源的筛选与应用
王江浩 王立伟 张动敏 郭瑞 张全国 李兴华 魏剑锋 宋炜 王宝强 李荣改

耕作栽培·生理生化·农业信息技术

1848-1858 doi: 10.3864/j.issn.0578-1752.2023.10.003
二氢吡吩铁对小麦渍水胁迫耐性的影响
楚燕蒙 毛颖超 蔡剑 周琴 戴廷波 王笑 姜东

1859-1870 doi: 10.3864/j.issn.0578-1752.2023.10.004
气候平均态和极端态变化对东北玉米气象产量的影响
张文婧 赵锦 崔文倩 黎满耀 李娥 弓晓雅 杨晓光

1871-1880 doi: 10.3864/j.issn.0578-1752.2023.10.005
覆盖作物对我国粮食作物的产量效应及影响因素的 Meta 分析
马佳玉 王涛 刘小利 王丽 张学成 王文涛 孔繁盛 黄学郡 王子怡 王彦东 甄文超

植物保护

1881-1892 doi: 10.3864/j.issn.0578-1752.2023.10.006
利用酵母双杂交系统筛选与柑橘黄化脉明病毒 CP 互作的寄主因子
宾羽 张琦 王春庆 赵晓春 宋震 周常勇

1893-1904 doi: 10.3864/j.issn.0578-1752.2023.10.007
侵染花叶青木的病毒种类鉴定及其基因序列分析
梁海文 兰平秀 柳勤海 谭冠林 陈小姣 赵雁 李凡

土壤肥料·节水灌溉·农业生态环境

1905-1919 doi: 10.3864/j.issn.0578-1752.2023.10.008
黄河三角洲不同盐渍度土壤有机质含量的高光谱预测研究
侯化刚 王丹阳 马斯琦 潘剑君 李兆富

1920-1934 doi: 10.3864/j.issn.0578-1752.2023.10.009

长期施肥棕壤大豆产量的演变及土壤氮素分布特征

刘玉颖 沈丰 杨劲峰 蔡芳芳 付时丰 罗培宇 李娜 戴健 韩晓日

1935-1948 doi: 10.3864/j.issn.0578-1752.2023.10.010

生物炭和双氰胺对设施蔬菜土壤温室气体排放的影响

宋博影 郭艳杰 王文赞 吕泽楠 赵宇晴 柳鹭 张丽娟

园艺

1949-1965 doi: 10.3864/j.issn.0578-1752.2023.10.011

不同产区纽荷尔脐橙橘园果实综合品质评价与适宜区域筛选

陈志敏 陈晓林 谭振华 陈兆星 湛丹丹 马岩岩 郑永强 易时来 吕强 谢让金

1966-1981 doi: 10.3864/j.issn.0578-1752.2023.10.012

VvmiR164s-*VvNAC100* 作用模块鉴定及其在葡萄子房发育过程中响应赤霉素的表达分析

王霏 肖迎珂 宣旭娟 张晓雯 刘菲 查紫仙 代梦瞳 王西成 吴伟民 房经贵 王晨

食品科学与工程

1982-1993 doi: 10.3864/j.issn.0578-1752.2023.10.013

牦牛乳制品加工过程中稳定碳、氮同位素分馏效应

李继荣 刘鑫 王君 曹晓钢 次顿

畜牧·兽医

1994-2006 doi: 10.3864/j.issn.0578-1752.2023.10.014

基因组分析对猪乳头数相关数量性状基因座鉴定

尹彦镇 侯黎明 刘航 陶伟 石传宗 刘锴月 张萍 牛培培 李强 李平华 黄瑞华

2007-2020 doi: 10.3864/j.issn.0578-1752.2023.10.015

FATP1 对山羊肌内脂肪细胞的促进作用

李琪 杨昌恒 王永 林亚秋 向华 朱江江

2021-2034 doi: 10.3864/j.issn.0578-1752.2023.10.016

规模化鹅场主要病毒核酸检测结果与分析

邵震 刁有祥

CONTENTS

CROP GENETICS & BREEDING·GERMPLASM RESOURCES·MOLECULAR GENETICS

1827-1837 doi: 10.3864/j.issn.0578-1752.2023.10.001

Physiological Changes and Integrity of ATP Synthase Subunits mRNA in Naturally Aged Cotton Seeds

SONG Ci, GU FengXu, XING ZhenZhen, ZHANG JunMing, HE WenXue, WANG TianBo, WANG YuLu, CHEN JunYing

1838-1847 doi: 10.3864/j.issn.0578-1752.2023.10.002

Molecular Marker Assisted Identification and Application of Maize Germplasms for Maize Rough Dwarf Disease Resistance

WANG JiangHao, WANG LiWei, ZHANG DongMin, GUO Rui, ZHANG QuanGuo, LI XingHua, WEI JianFeng, SONG Wei, WANG BaoQiang, LI RongGai

TILLAGE & CULTIVATION·PHYSIOLOGY & BIOCHEMISTRY·AGRICULTURE INFORMATION TECHNOLOGY

1848-1858 doi: 10.3864/j.issn.0578-1752.2023.10.003

Effect of Phytochlorin Iron on Stress Tolerance to Waterlogging in Wheat

CHU YanMeng, MAO YingChao, CAI Jian, ZHOU Qin, DAI TingBo, WANG Xiao, JIANG Dong

1859-1870 doi: 10.3864/j.issn.0578-1752.2023.10.004

Effects of Changing Normal and Extreme Climate States on Maize Meteorological Yield in Northeast China

ZHANG WenJing, ZHAO Jin, CUI WenQian, LI ManYao, LI E, GONG XiaoYa, YANG XiaoGuang

1871-1880 doi: 10.3864/j.issn.0578-1752.2023.10.005

Meta-Analysis of Yield Effects and Influencing Factors of Cover Crops on Main Grain Crops in China

MA JiaYu, WANG Tao, LIU XiaoLi, WANG Li, ZHANG XueCheng, WANG WenTao, KONG FanSheng, HUANG XueJun, WANG ZiYi, WANG YanDong, ZHEN WenChao

PLANT PROTECTION

1881-1892 doi: 10.3864/j.issn.0578-1752.2023.10.006

Screening of the Host Factors Interacting with CP of Citrus Yellow Vein Clearing Virus by Yeast Two-Hybrid System

BIN Yu, ZHANG Qi, WANG ChunQing, ZHAO XiaoChun, SONG Zhen, ZHOU ChangYong

1893-1904 doi: 10.3864/j.issn.0578-1752.2023.10.007

Viruses Identification and Their Gene Sequences Analysis Infecting *Aucuba japonica* var. *variegata*

LIANG HaiWen, LAN PingXiu, LIU QinHai, TAN GuanLin, CHEN XiaoJiao, ZHAO Yan, LI Fan

SOIL & FERTILIZER·WATER-SAVING IRRIGATION·AGROECOLOGY & ENVIRONMENT

1905-1919 doi: 10.3864/j.issn.0578-1752.2023.10.008

Hyperspectral Prediction of Organic Matter in Soils of Different Salinity Levels in the Yellow River Delta

HOU HuaGang, WANG DanYang, MA SiQi, PAN JianJun, LI ZhaoFu

1920-1934

doi: 10.3864/j.issn.0578-1752.2023.10.009

Variation Characteristics of Soybean Yield and Soil Nitrogen Distribution in Brown Soil Under Long-Term Fertilization

LIU YuYing, SHEN Feng, YANG JinFeng, CAI FangFang, FU ShiFeng, LUO PeiYu, LI Na, DAI Jian, HAN XiaoRi

1935-1948

doi: 10.3864/j.issn.0578-1752.2023.10.010

Effects of Biochar Combined with Dicyandiamide on Greenhouse Gases Emissions from Facility Vegetable Soil

SONG BoYing, GUO YanJie, WANG WenZan, LÜ ZeNan, ZHAO YuQing, LIU Lu, ZHANG LiJuan

HORTICULTURE

1949-1965

doi: 10.3864/j.issn.0578-1752.2023.10.011

Comprehensive Fruit Quality Evaluation and Suitable Areas Selection of Newhall Navel Orange in China

CHEN ZhiMin, CHEN XiaoLin, TAN ZhenHua, CHEN ZhaoXing, SHEN DanDan, MA YanYan, ZHENG YongQiang, YI ShiLai, LÜ Qiang, XIE RangJin

1966-1981

doi: 10.3864/j.issn.0578-1752.2023.10.012

Identification of the VvmiR164s-VvNAC100 Action Module and Analysis of Their Expressions Responsive to Exogenous GA During Grape Ovary Development

WANG Fei, XIAO YingKe, XUAN XuXian, ZHANG XiaoWen, LIU Fei, ZHA ZiXian, DAI MengTong, WANG XiCheng, WU WeiMin, FANG JingGui, WANG Chen

FOOD SCIENCE AND ENGINEERING

1982-1993

doi: 10.3864/j.issn.0578-1752.2023.10.013

Fractionation Effect of Stable Carbon and Nitrogen Isotope Ratios in Yak Dairy Products Processing

LI JiRong, LIU Xin, WANG Jun, CAO XiaoGang, CI Dun

ANIMAL SCIENCE·VETERINARY SCIENCE

1994-2006

doi: 10.3864/j.issn.0578-1752.2023.10.014

Identifying Quantitative Trait Loci Associated with Teat Number of Pig by Genomic Analysis

YIN YanZhen, HOU LiMing, LIU Hang, TAO Wei, SHI ChuanZong, LIU KaiYue, ZHANG Ping, NIU PeiPei, LI Qiang, LI PingHua, HUANG RuiHua

2007-2020

doi: 10.3864/j.issn.0578-1752.2023.10.015

Role of *FATP1* in Promoting Lipid Deposition in Goat Intramuscular Adipocytes

LI Qi, YANG ChangHeng, WANG Yong, LIN YaQiu, XIANG Hua, ZHU JiangJiang

2021-2034

doi: 10.3864/j.issn.0578-1752.2023.10.016

Investigation and Analysis of Nucleic Acid Detection Results of Viral Viruses in Large-Scale Goose Farms

SHAO Zhen, DIAO YouXiang