



目次

作物遗传育种·种质资源·分子遗传学

2193-2207 doi: 10.3864/j.issn.0571-1752.2019.13.001

长江中下游地区小麦品种籽粒和面条品质分析

吴豪 黄园园 汪辉 周玉 沈家成 张璨 丁锦锋 邹娟 马尚宇 郭文善 郑文寅 姚大年

2208-2219 doi: 10.3864/j.issn.0571-1752.2019.13.002

利用BSA法发掘野生大豆种子硬实性相关QTL

陈静静 刘谢香 于莉莉 卢一鹏 张嗣天 张昊辰 关荣霞 邱丽娟

耕作栽培·生理生化·农业信息技术

2220-2229 doi: 10.3864/j.issn.0571-1752.2019.13.003

基于低空无人机影像光谱和纹理特征的棉花氮素营养诊断研究

陈鹏飞 梁飞

2230-2242 doi: 10.3864/j.issn.0571-1752.2019.13.004

解磷细菌和丛枝菌根真菌对紫花苜蓿生产性能及地下生物量的影响

孙艳梅 张前兵 苗晓茸 刘俊英 于磊 马春晖

植物保护

2243-2255 doi: 10.3864/j.issn.0571-1752.2019.13.005

GST pull-down 联合 LC-MS/MS 筛选柑橘抗溃疡病转录因子 CsBZIP40 的互作蛋白

窦万福 祁静静 胡安华 陈善春 彭爱红 许兰珍 雷天刚 姚利晓 何永睿 李强

2256-2267 doi: 10.3864/j.issn.0571-1752.2019.13.006

基于小RNA深度测序技术鉴定侵染广东辣椒的病毒种类

汤亚飞 裴凡 李正刚 余小漫 于琳 蓝国兵 邓铭光 何自福

土壤肥料·节水灌溉·农业生态环境

2268-2279 doi: 10.3864/j.issn.0571-1752.2019.13.007

两种典型水稻土中秸秆碳转化的微生物过程

仇存璞 陈晓芬 刘明 李委涛 吴萌 江春玉 冯有智 李忠佩

2280-2294 doi: 10.3864/j.issn.0571-1752.2019.13.008

不同耕作和秸秆还田下褐土真菌群落变化特征

代红翠 张慧 薛艳芳 高英波 钱欣 赵海军 刘璐 成浩 李宗新 刘开昌

园艺

2295-2308 doi: 10.3864/j.issn.0571-1752.2019.13.009
马铃薯低温响应的 *ScmiR390-5p* 及其靶基因表达与结构分析
谢洁 王明 丁红映 李青 王万兴 熊兴耀 秦玉芝

2309-2327 doi: 10.3864/j.issn.0571-1752.2019.13.010
日中性草莓不同季节果实挥发性成分差异
董静 钟传飞 王桂霞 常琳琳 孙健 孙瑞 张宏力 李睿 隗永青 郑书旗 张运涛

食品科学与工程

2328-2340 doi: 10.3864/j.issn.0571-1752.2019.13.011
不同品种苹果果胶含量及结构差异分析
曹风 刘璇 毕金峰 吴昕烨 张彪 刘嘉宁

畜牧·兽医·资源昆虫

2341-2351 doi: 10.3864/j.issn.0571-1752.2019.13.012
山羊 *Kruppel* 样转录因子家族在前体脂肪细胞分化中的表达模式及相关性分析
朱江江 林亚秋 王永 林森

2352-2358 doi: 10.3864/j.issn.0571-1752.2019.13.013
不同饲养方式对雏鹅夜间采食行为的影响
何航 熊子标 首雅潇 谢清 谢和芳

2359-2367 doi: 10.3864/j.issn.0571-1752.2019.13.014
6个紫花苜蓿品种氨基酸组成分析及营养价值评价
孙娟娟 阿拉木斯 赵金梅 薛艳林 于林清 玉柱 张英俊

2368-2378 doi: 10.3864/j.issn.0571-1752.2019.13.015
饲料 α -亚麻酸水平对意大利蜜蜂工蜂幼虫生理机能的影响
于静 张卫星 马兰婷 胥保华

CONTENTS

CROP GENETICS & BREEDING·GERMPLASM RESOURCES·MOLECULAR GENETICS

2193-2207 doi: 10.3864/j.issn.0571-1752.2019.13.001
Comprehensive Analysis on Grain and Processing Quality of Several Wheat Varieties in the Middle and Lower Reaches of Yangtze River
WU Hao, HUANG YuanYuan, WANG Hui, ZHOU Yu, SHEN JiaCheng, ZHANG Can, DING JinFeng, ZOU Juan, MA ShangYu, GUO WenShan, ZHENG WenYin, YAO DaNian

2208-2219 doi: 10.3864/j.issn.0571-1752.2019.13.002
QTL Mapping of Hard Seededness in Wild Soybean Using BSA Method
CHEN JingJing, LIU XieXiang, YU LiLi, LU YiPeng, ZHANG SiTian, ZHANG HaoChen, GUAN RongXia, QIU LiJuan

TILLAGE & CULTIVATION·PHYSIOLOGY & BIOCHEMISTRY·AGRICULTURE INFORMATION TECHNOLOGY

2220-2229 doi: 10.3864/j.issn.0571-1752.2019.13.003
Cotton Nitrogen Nutrition Diagnosis Based on Spectrum and Texture Feature of Images from Low Altitude Unmanned Aerial Vehicle
CHEN PengFei, LIANG Fei

2230-2242 doi: 10.3864/j.issn.0571-1752.2019.13.004
Effects of Phosphorus-Solubilizing Bacteria and Arbuscular Mycorrhizal Fungi on Production Performance and Root Biomass of Alfalfa
SUN YanMei, ZHANG QianBing, MIAO XiaoRong, LIU JunYing, YU Lei, MA ChunHui

PLANT PROTECTION

2243-2255 doi: 10.3864/j.issn.0571-1752.2019.13.005
Screening of Interacting Proteins of Anti-Canker Transcription Factor CsBZIP40 in Citrus by GST Pull-Down Combined with LC-MS/MS
DOU WanFu, QI JingJing, HU AnHua, CHEN ShanChun, PENG AiHong, XU LanZhen, LEI TianGang, YAO LiXiao, HE YongRui, LI Qiang

2256-2267 doi: 10.3864/j.issn.0571-1752.2019.13.006
Identification of Viruses Infecting Peppers in Guangdong by Small RNA Deep Sequencing
TANG YaFei, PEI Fan, LI ZhengGang, SHE XiaoMan, YU Lin, LAN GuoBing, DENG MingGuang, HE ZiFu

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

2268-2279 doi: 10.3864/j.issn.0571-1752.2019.13.007
Microbial Transformation Process of Straw-Derived C in Two Typical Paddy Soils
QIU CunPu, CHEN XiaoFen, LIU Ming, LI WeiTao, WU Meng, JIANG ChunYu, FENG YouZhi, LI ZhongPei

2280-2294 doi: 10.3864/j.issn.0571-1752.2019.13.008
Response of Fungal Community and Function to Different Tillage and Straw Returning Methods
DAI HongCui, ZHANG Hui, XUE YanFang, GAO YingBo, QIAN Xin, ZHAO HaiJun, LIU Lu, CHENG Hao, LI ZongXin, LIU KaiChang

HORTICULTURE

2295-2308

doi: 10.3864/j.issn.0571-1752.2019.13.009

Expression and Structural Analysis of SC MI390-5p and Its Target Genes in Potato Response to Low Temperature

XIE Jie, WANG Ming, DING HongYing, LI Qing, WANG WanXing, XIONG XingYao, QIN YuZhi

2309-2327

doi: 10.3864/j.issn.0571-1752.2019.13.010

Comparative Study on Fruit Volatiles of Different Day-Neutral Strawberry Cultivars in Autumn and Winter

DONG Jing, ZHONG ChuanFei, WANG GuiXia, CHANG LinLin, SUN Jian, SUN Rui, ZHANG HongLi, LI Rui, WEI YongQing, ZHENG ShuQi, ZHANG YunTao

FOOD SCIENCE AND ENGINEERING

2328-2340

doi: 10.3864/j.issn.0571-1752.2019.13.011

Difference Analysis of Pectin Content and Structure from Various Apple Cultivars

CAO Feng, LIU Xuan, BI JinFeng, WU XinYe, ZHANG Biao, LIU JiaNing

ANIMAL SCIENCE·VETERINARY SCIENCE·RESOURCE INSECT

2341-2351

doi: 10.3864/j.issn.0571-1752.2019.13.012

Expression Profile and Correlations of Kruppel Like Factors During Caprine (*Capra Hircus*) Preadipocyte Differentiation

ZHU JiangJiang, LIN YaQiu, WANG Yong, LIN Sen

2352-2358

doi: 10.3864/j.issn.0571-1752.2019.13.013

Effects of Rearing Modes on Nocturnal Feeding Behavior in Goslings

HE Hang, XIONG ZiBiao, SHOU YaXiao, XIE Qing, XIE HeFang

2359-2367

doi: 10.3864/j.issn.0571-1752.2019.13.014

Analysis of Amino Acid Composition and Six Native Alfalfa Cultivars

SUN JuanJuan, A LaMuSi, ZHAO JinMei, XUE YanLin, YU LinQing, YU Zhu, ZHANG YingJun

2368-2378

doi: 10.3864/j.issn.0571-1752.2019.13.015

Effect of Dietary α -Linolenic Acid Levels on Physiological Function of *Apis mellifera ligustica* Worker Bee Larvae

YU Jing, ZHANG WeiXing, MA LanTing, XU BaoHua