



目次

作物遗传育种·种质资源·分子遗传学

- 669-682 doi: 10.3864/j.issn.0578-1752.2020.04.001
水稻根系盐胁迫响应 miRNA 和 tRF 的鉴定
孟淑君 张雪海 王琪月 张稳 黄力 丁冬 汤继华
- 683-694 doi: 10.3864/j.issn.0578-1752.2020.04.002
夏大豆重组自交系群体遗传图谱构建及开花期 QTL 分析
曹永策 李曙光 张新草 孔杰杰 赵团结
- 695-706 doi: 10.3864/j.issn.0578-1752.2020.04.003
基于 RNA-seq 数据的栽培种花生 SSR 位点鉴定和标记开发
徐志军 赵胜 徐磊 胡小文 安东升 刘洋

耕作栽培·生理生化·农业信息技术

- 707-719 doi: 10.3864/j.issn.0578-1752.2020.04.004
中国再生稻的产量差及影响因素
曹玉贤 朱建强 侯俊
- 720-733 doi: 10.3864/j.issn.0578-1752.2020.04.005
青藏高原高寒区青稞光温生产潜力和产量差时空分布特征及其对气候变化的响应
弓开元 何亮 鄢定荣 吕昌河 李俊 周文彬 杜军 于强
- 734-747 doi: 10.3864/j.issn.0578-1752.2020.04.006
不同覆盖方式对旱作马铃薯生长及土壤水热特征的影响
普雪可 吴春花 勉有明 苗芳芳 侯贤清 李荣

植物保护

- 748-760 doi: 10.3864/j.issn.0578-1752.2020.04.007
103 份小麦品种(系)抗条锈性和遗传多样性评价及基因检测
徐默然 蔺瑞明 王凤涛 冯晶 徐世昌
- 761-770 doi: 10.3864/j.issn.0578-1752.2020.04.008
HIGS-SsCCS 转基因拟南芥的菌核病抗性鉴定
柴亚茹 丁一娟 周思钰 杨文静 闫宝琴 远俊虎 钱伟
- 771-781 doi: 10.3864/j.issn.0578-1752.2020.04.009
烟草 Hsc70-2 的克隆及对马铃薯 Y 病毒侵染烟草的促进作用
龚明月 段啸天 余婷婷 王杰 申莉莉 李莹 刘明宏 李永亮 吕洪坤 章松柏 杨金广

土壤肥料·节水灌溉·农业生态环境

782-794 doi: 10.3864/j.issn.0578-1752.2020.04.010
秸秆还田配施氮肥对稻田土壤活性碳氮动态变化的影响
王士超 闫志浩 王瑾瑜 槐圣昌 武红亮 邢婷婷 叶洪龄 卢昌艾

795-801 doi: 10.3864/j.issn.0578-1752.2020.04.011
中国茶园土壤酸化现状与分析
颜鹏 韩文炎 李鑫 张丽平 张兰

园艺

802-810 doi: 10.3864/j.issn.0578-1752.2020.04.012
甜瓜短蔓基因 *Cmdm1* 的精细定位及候选基因分析
马建 李丛丛 王建设

811-822 doi: 10.3864/j.issn.0578-1752.2020.04.013
三种酶对采后‘海沃德’和‘华特’猕猴桃 AsA 的氧化作用
封琦 李朝政 高贵田 吴悠 肖妍 赵武奇 雷玉山

食品科学与工程

823-835 doi: 10.3864/j.issn.0578-1752.2020.04.014
臭氧熏蒸处理联合 PE 包装对金针菇采后贮藏品质及抗氧化能力的影响
王震 张雨 刘宏 何田田 毕阳 贲建民

畜牧·兽医·资源昆虫

836-847 doi: 10.3864/j.issn.0578-1752.2020.04.015
用高通量测序技术研究松辽黑猪与长白猪背最长肌 mRNA 和 lncRNA 的差异表达
吴垚群 陈少康 盛熙晖 齐晓龙 王相国 倪和民 郭勇 王楚端 邢凯

848-856 doi: 10.3864/j.issn.0578-1752.2020.04.016
光照强度对樱桃谷肉鸭 *c-fos*、生物钟基因表达及褪黑激素的影响
崔家杰 谢强 翟双双 龚涛 朱勇文 杨琳 王文策

CONTENTS

CROP GENETICS & BREEDING·GERMPLASM RESOURCES·MOLECULAR GENETICS

669-682 doi: 10.3864/j.issn.0578-1752.2020.04.001

Identification of miRNAs and tRFs in Response to Salt Stress in Rice Roots

MENG ShuJun, ZHANG XueHai, WANG QiYue, ZHANG Wen, HUANG Li, DING Dong, TANG JiHua

683-694 doi: 10.3864/j.issn.0578-1752.2020.04.002

Construction of Genetic Map and Mapping QTL for Flowering Time in A Summer Planting Soybean Recombinant Inbred Line Population

CAO YongCe, LI ShuGuang, ZHANG XinCao, KONG JieJie, ZHAO TuanJie

695-706 doi: 10.3864/j.issn.0578-1752.2020.04.003

Discovery of Microsatellite Markers from RNA-seq Data in Cultivated Peanut (*Arachis hypogaea*)

XU ZhiJun, ZHAO Sheng, XU Lei, HU XiaoWen, AN DongSheng, LIU Yang

TILLAGE & CULTIVATION·PHYSIOLOGY & BIOCHEMISTRY·AGRICULTURE INFORMATION TECHNOLOGY

707-719 doi: 10.3864/j.issn.0578-1752.2020.04.004

Yield Gap of Ratoon Rice and Their Influence Factors in China

CAO YuXian, ZHU JianQiang, HOU Jun

720-733 doi: 10.3864/j.issn.0578-1752.2020.04.005

Spatial-Temporal Variations of Photo-Temperature Potential Productivity and Yield Gap of Highland Barley and Its Response to Climate Change in the Cold Regions of the Tibetan Plateau

GONG KaiYuan, HE Liang, WU DingRong, LÜ ChangHe, LI Jun, ZHOU WenBin, DU Jun, YU Qiang

734-747 doi: 10.3864/j.issn.0578-1752.2020.04.006

Effects of Different Mulching Patterns on Growth of Potato and Characteristics of Soil Water and Temperature in Dry Farmland

PU XueKe, WU ChunHua, MIAN YouMing, MIAO FangFang, HOU XianQing, LI Rong

PLANT PROTECTION

748-760 doi: 10.3864/j.issn.0578-1752.2020.04.007

Evaluation of Resistance to Stripe Rust and Genetic Diversity and Detection of Resistance Genes in 103 Wheat Cultivars (Lines)

XU MoRan, LIN RuiMing, WANG FengTao, FENG Jing, XU ShiChang

761-770 doi: 10.3864/j.issn.0578-1752.2020.04.008

Identification of the Resistance to Sclerotinia Stem Rot in HIGS-SsCCS Transgenic *Arabidopsis thaliana*

CHAI YaRu, DING YiJuan, ZHOU SiYu, YANG WenJing, YAN BaoQin, YUAN JunHu, QIAN Wei

771-781 doi: 10.3864/j.issn.0578-1752.2020.04.009

Cloning of *Hsc70-2* and Its Promoting Effect on *Potato virus Y* Infection in *Nicotiana benthamiana*

GONG MingYue, DUAN XiaoTian, YU TingTing, WANG Jie, SHEN LiLi, LI Ying, LIU MingHong, LI YongLiang, LÜ HongKun, ZHANG SongBai, YANG JinGuang

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

782-794

doi: 10.3864/j.issn.0578-1752.2020.04.010

Nitrogen Fertilizer and Its Combination with Straw Affect Soil Labile Carbon and Nitrogen Fractions in Paddy Fields

WANG ShiChao, YAN ZhiHao, WANG JinYu, HUAI ShengChang, WU HongLiang, XING TingTing, YE HongLing, LU ChangAi

795-801

doi: 10.3864/j.issn.0578-1752.2020.04.011

Present Situation and Analysis of Soil Acidification in Chinese Tea Garden

YAN Peng, LI Xin, ZHANG LiPing, ZHANG Lan, HAN WenYan

HORTICULTURE

802-810

doi: 10.3864/j.issn.0578-1752.2020.04.012

Fine Mapping and Candidate Gene Analysis of a Short Internodes Gene *Cmdm1* in Melon (*Cucumis melo* L.)

MA Jian, LI CongCong, WANG JianShe

811-822

doi: 10.3864/j.issn.0578-1752.2020.04.013

Influence of Three Enzymes on Oxidation of Ascorbic Acid in Postharvest 'Hayward' and 'Huatae' Kiwifruit

FENG Qi, LI ChaoZheng, GAO GuiTian, WU You, XIAO Yan, ZHAO WuQi, LEI YuShan

FOOD SCIENCE AND ENGINEERING

823-835

doi: 10.3864/j.issn.0578-1752.2020.04.014

Effects of Ozone Fumigation Combined with PE Packaging on Postharvest Storage Quality and Antioxidant Capacity of *Flammulina velutipes*

WANG Ting, ZHANG Yu, LIU Hong, HE TianTian, BI Yang, YUN JianMin

ANIMAL SCIENCE·VETERINARY SCIENCE·RESOURCE INSECT

836-847

doi: 10.3864/j.issn.0578-1752.2020.04.015

Differential Expression of mRNA and lncRNA in Longissimus Dorsi Muscle of Songliao Black Pig and Landrace Pig Based on High-Throughput Sequencing Technique

WU YaoQun, CHEN ShaoKang, SHENG XiHui, QI XiaoLong, WANG XiangGuo, NI HeMin, GUO Yong, WANG ChuDuan, XING Kai

848-856

doi: 10.3864/j.issn.0578-1752.2020.04.016

Effects of Light Intensity on *c-fos*, Biological Clock Gene Expression and Melatonin in Cherry Valley Meat Ducks

CUI JiaJie, XIE Qiang, ZHAI ShuangShuang, GONG Tao, ZHU YongWen, YANG Lin, WANG WenCe