



目次

作物遗传育种·种质资源·分子遗传学

599-611 doi: 10.3864/j.issn.0578-1752.2017.04.001

稻米蒸煮品质性状与分子标记关联研究

高维维 陈思平 王丽平 陈立凯 郭涛 王慧 陈志强

612-624 doi: 10.3864/j.issn.0578-1752.2017.04.002

播期对夏谷幼穗分化及叶龄指数的影响

李国瑜 丛新军 秦岭 邹仁峰 杨延兵 颜丽美 陈二影 李妮 管延安

625-639 doi: 10.3864/j.issn.0578-1752.2017.04.003

芝麻种质资源成株期抗旱性关联分析

刘文萍 吕伟 黎冬华 任果香 张艳欣 文飞 韩俊梅 张秀荣

耕作栽培·生理生化·农业信息技术

640-647 doi: 10.3864/j.issn.0578-1752.2017.04.004

土壤水分亏缺对 Bt 棉铃壳杀虫蛋白表达的影响

张祥 胡大鹏 李远 张丽雅 王剑 陈源 陈德华

648-656 doi: 10.3864/j.issn.0578-1752.2017.04.005

稻茬高度对谷林套播油菜生长发育及产量形成的影响

郑伟 肖国滨 肖小军 李亚贞 陈明 刘小三 黄天宝 吴艳 叶川 朱昌兰

657-668 doi: 10.3864/j.issn.0578-1752.2017.04.006

农业物联网体系结构与应用领域研究进展

郑纪业 阮怀军 封文杰 许世卫

植物保护

669-678 doi: 10.3864/j.issn.0578-1752.2017.04.007

玉米大斑病菌 Homeobox 转录因子家族全基因组鉴定及其表达规律分析

赵洁 赵立卿 巩校东 冯胜泽 刘星辰 郑亚男 李志勇 孙海月 王冬雪 韩建民 谷守芹 董金皋

679-688 doi: 10.3864/j.issn.0578-1752.2017.04.008

应用锁式探针结合斑点杂交技术检测甜瓜细菌性叶斑病

徐瑞 胡白石 田艳丽 黄艳宁 谢进 曹亮 彭斯文 朱校奇

土壤肥料·节水灌溉·农业生态环境

689-697 doi: 10.3864/j.issn.0578-1752.2017.04.009
负压灌溉下不同钾水平对小油菜生长的影响
赵秀娟 宋燕燕 岳现录 张淑香 武雪萍 龙怀玉

698-710 doi: 10.3864/j.issn.0578-1752.2017.04.010
河北平原城市近郊农田大气氮沉降特征
尹兴 张丽娟 刘学军 许稳 倪玉雪 刘新宇

园艺

711-719 doi: 10.3864/j.issn.0578-1752.2017.04.011
生物炭与甲壳素配施对连作平邑甜茶幼苗及土壤环境的影响
王艳芳 相立 徐少卓 王森 王晓伟 陈学森 毛志泉 张民

720-731 doi: 10.3864/j.issn.0578-1752.2017.04.012
不同加工工艺与收集时段对‘大马士革’玫瑰花水香气成分的影响
李爱萍 徐晓俞 陈峥 俞秀红 黄旭旻 郑开斌

食品科学与工程

732-742 doi: 10.3864/j.issn.0578-1752.2017.04.013
酚酸对红肉苹果花色苷辅色效果及稳定性的影响
苏帆 薛佳 杨曦 邓红 孟永宏 郭玉蓉

743-754 doi: 10.3864/j.issn.0578-1752.2017.04.014
苦瓜片气体射流冲击干燥特性及干燥模型
薛珊 赵武奇 高贵田 吴忠

畜牧·兽医·资源昆虫

755-763 doi: 10.3864/j.issn.0578-1752.2017.04.015
基于体细胞评分的中国荷斯坦牛乳房炎抗性全基因组关联分析
王晓 张勤 俞英

764-773 doi: 10.3864/j.issn.0578-1752.2017.04.016
小鼠黑素细胞中过表达 Oct-1 对毛色主效基因的影响
杨玉静 聂瑞强 谢建山 范瑞文 许冬梅 董常生

研究简报

774-782 doi: 10.3864/j.issn.0578-1752.2017.04.017
马铃薯品种‘青薯168’和‘陇薯3号’块茎愈伤能力的比较
姜红 毕阳 李昌健 王毅 李生娥 刘耀娜 王斌

CONTENTS

CROP GENETICS & BREEDING·GERMPLASM RESOURCES·MOLECULAR GENETICS

599-611 doi: 10.3864/j.issn.0578-1752.2017.04.001

Association Analysis of Rice Cooking Quality Traits with Molecular Markers

GAO WeiWei, CHEN SiPing, WANG LiPing, CHEN LiKai, GUO Tao, WANG Hui, CHEN ZhiQiang

612-624 doi: 10.3864/j.issn.0578-1752.2017.04.002

Effects of Sowing Dates on Panicle Differentiation and Leaf Number Index of Summer-Sowing Foxtail Millet [*Setaria italica* (L.) Beauv.]

LI GuoYu, CONG XinJun, QIN Ling, ZOU RenFeng, YANG YanBing, YAN LiMei, CHEN ErYing, LI Ni, GUAN YanAn

625-639 doi: 10.3864/j.issn.0578-1752.2017.04.003

Drought Resistance of Sesame Germplasm Resources and Association Analysis at Adult Stage

LIU WenPing, LÜ Wei, LI DongHua, REN GuoXiang, ZHANG YanXin, WEN Fei, HAN JunMei, ZHANG XiuRong

TILLAGE & CULTIVATION·PHYSIOLOGY & BIOCHEMISTRY·AGRICULTURE INFORMATION TECHNOLOGY

640-647 doi: 10.3864/j.issn.0578-1752.2017.04.004

Effects of Soil Water Deficit on Insecticidal Protein Expression in Boll Shell of Transgenic Bt Gene Cotton

ZHANG Xiang, HU DaPeng, LI Yuan, ZHANG LiYa, WANG Jian, CHEN Yuan, CHEN DeHua

648-656 doi: 10.3864/j.issn.0578-1752.2017.04.005

Effects of Rice Stubble Height on Growth, Development, and Yield Components of Interplanted Rapeseed in Rice

ZHENG Wei, XIAO GuoBin, XIAO XiaoJun, LI YaZhen, CHEN Ming, LIU XiaoSan, HUANG TianBao, WU Yan, YE Chuan, ZHU ChangLan

657-668 doi: 10.3864/j.issn.0578-1752.2017.04.006

Agricultural IOT Architecture and Application Model Research

ZHENG JiYe, RUAN HuaiJun, FENG WenJie, XU ShiWei

PLANT PROTECTION

669-678 doi: 10.3864/j.issn.0578-1752.2017.04.007

Identification of Homeobox Transcription Factor Family in Genome-Wide and Expression Pattern Analysis of the Members in *Setosphaeria turcica*

ZHAO Jie, ZHAO LiQing, GONG XiaoDong, FENG ShengZe, LIU XingChen, ZHENG YaNan, LI ZhiYong, SUN HaiYue, WANG DongXue, HAN JianMin, GU ShouQin, DONG JinGao

679-688 doi: 10.3864/j.issn.0578-1752.2017.04.008

Development of Padlock Probe Combined with Dot-Blot Hybridization Based Methods for Detection of Bacterial Spot of Melon Leaves

XU Rui, HU BaiShi, TIAN YanLi, HUANG YanNing, XIE Jin, CAO Liang, PENG SiWen, ZHU XiaoQi

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

689-697 doi: 10.3864/j.issn.0578-1752.2017.04.009

Effect of Different Potassium Levels on the Growth of Bok Choy Under Negative Pressure

ZHAO XiuJuan, SONG YanYan, YUE XianLu, ZHANG ShuXiang, WU XuePing, LONG HuaiYu

698-710

doi: 10.3864/j.issn.0578-1752.2017.02.010

Nitrogen Deposition in Suburban Croplands of Hebei Plain

YIN Xing, ZHANG LiJuan, LIU XueJun, XU Wen, NI YuXue, LIU XinYu

HORTICULTURE

711-719

doi: 10.3864/j.issn.0578-1752.2017.04.011

Effects of Biochar and Chitin Combined Application on *Malus hupehensis* Rehd. Seedlings and Soil Environment Under Replanting Conditions

WANG YanFang, XIANG Li, XU ShaoZhuo, WANG Sen, WANG XiaoWei, CHEN XueSen, MAO ZhiQuan, ZHANG Min

720-731

doi: 10.3864/j.issn.0578-1752.2017.04.012

Effects of Different Processing Techniques and Collecting Periods on the Aroma Constituents of *Rosa damascena* Flower Water

LI AiPing, XU XiaoYu, CHEN Zheng, YU XiuHong, HUANG XuMin, ZHENG KaiBin

FOOD SCIENCE AND ENGINEERING

732-742

doi: 10.3864/j.issn.0578-1752.2017.04.013

Effects of Phenolic Acids on Copigmentation and Stability of Anthocyanins in Red-Fleshed Apple

SU Fan, XUE Jia, YANG Xi, DENG Hong, MENG YongHong, GUO YuRong

743-754

doi: 10.3864/j.issn.0578-1752.2017.04.014

Drying Characteristics and Model of Bitter Melon Slice in Air-Impingement Jet Dryer

XUE Shan, ZHAO WuQi, GAO GuiTian, WU Zhong

ANIMAL SCIENCE • VETERINARY SCIENCE • RESOURCE INSECT

755-763

doi: 10.3864/j.issn.0578-1752.2017.04.015

Genome-Wide Association Study on Mastitis Resistance Based on Somatic Cell Scores in Chinese Holstein Cows

WANG Xiao, ZHANG Qin, YU Ying

764-773

doi: 10.3864/j.issn.0578-1752.2017.04.016

The Influences of Over-Expression of Oct-1 on Major Genes of Coat Color in Melanocytes of Mice

YANG YuJing, NIE RuiQiang, XIE JianShan, FAN RuiWen, XU DongMei, DONG ChangSheng

RESEARCH NOTES

774-782

doi: 10.3864/j.issn.0578-1752.2017.04.017

Comparison of Healing Ability on Potato Tuber Cultivars 'Qingshu No. 168' and 'Longshu No. 3'

JIANG Hong, BI Yang, LI ChangJian, WANG Yi, LI ShengE, LIU YaoNa, WANG Bin