



目次

作物遗传育种·种质资源·分子遗传学

2743-2757 doi: 10.3864/j.issn.0578-1752.2019.16.001
基于全基因组重测序的大豆分子标记开发及籽粒蛋白质含量 QTL 定位
王嘉 曾召琼 梁建秋 于晓波 吴海英 张明荣

2758-2767 doi: 10.3864/j.issn.0578-1752.2019.16.002
青藏高原青稞育成品种的亲缘系数分析
李健 丰先红 蔡一林

耕作栽培·生理生化·农业信息技术

2768-2775 doi: 10.3864/j.issn.0578-1752.2019.16.003
光谱对水稻灌浆期剑叶光合及叶绿素荧光特性的影响
李江鹏 刘海俊 黄志午 刘晓英 尤杰 徐志刚

2776-2786 doi: 10.3864/j.issn.0578-1752.2019.16.004
改进区域增长算法的植株多视图几何重建
肖顺夫 刘升平 李世娟 杜鸣竹 吕纯阳 刘大众 杨菲菲 刘航

植物保护

2787-2799 doi: 10.3864/j.issn.0578-1752.2019.16.005
甘肃省白菜死棵病原菌鉴定及其融合群检测技术
王朵 谢学文 柴阿丽 石延霞 李宝聚

2800-2808 doi: 10.3864/j.issn.0578-1752.2019.16.006
中国马铃薯病虫害发生情况与农药使用现状
徐进 朱杰华 杨艳丽 汤浩 吕和平 樊明寿 石瑛 董道峰 王贵江 王万兴 熊兴耀 高玉林

2809-2823 doi: 10.3864/j.issn.0578-1752.2019.16.007
基于种特异性 COI 标记的西花蓟马温室品系和羽扇豆品系一步双重快速鉴定技术
张蓉 王玉生 杨丽梅 万方浩 张桂芬

土壤肥料·节水灌溉·农业生态环境

2824-2834 doi: 10.3864/j.issn.0578-1752.2019.16.008
典型黑土春玉米化学肥料养分利用效率变化研究
仇少君 李宁 何萍 魏丹 金梁 赵士诚 徐新朋 周卫

2835-2844 doi: 10.3864/j.issn.0578-1752.2019.16.009
华中区域直播冬油菜临界氮浓度稀释曲线的建立与应用
刘秋霞 任涛 张亚伟 廖世鹏 李小坤 丛日环 鲁剑巍

2845-2857

doi: 10.3864/j.issn.0578-1752.2019.16.010

黄土高原沟壑区植被恢复对沟头土壤团聚体特征及土壤可蚀性的影响

王文鑫 王文龙 郭明明 王天超 康宏亮 杨波 赵满 陈卓鑫

园艺

2858-2870

doi: 10.3864/j.issn.0578-1752.2019.16.011

葡萄 miR159s 靶基因的鉴定及其应答 GA 在果实不同组织的调控作用

张文颖 韩旭 朱旭东 解振强 纠松涛 黄雨晴 贾海锋 房经贵 王晨

2871-2879

doi: 10.3864/j.issn.0578-1752.2019.16.012

‘裙膜’覆盖对黄河三角洲盐碱地土温及春季葡萄生长的影响

王辉 赵烁 杨兴旺 金梦玲 杜远鹏 管雪强 翟衡

畜牧·兽医·资源昆虫

2880-2890

doi: 10.3864/j.issn.0578-1752.2019.16.013

鸡线粒体 ND1 基因变异/异质性及其与性状的关联分析

徐媛媛 侯玲灵 姬杰菲 王焕杰 李思露 陈文 康相涛 黄艳群

2891-2898

doi: 10.3864/j.issn.0578-1752.2019.16.014

硒对 *S. aureus* 诱导的奶牛乳腺上皮细胞 Nod2/MAPK/mTORs 信号通路关键蛋白表达的影响

毕崇亮 刘俊俊 王亨 王娟 韩照清 关立增

2899-2911

doi: 10.3864/j.issn.0578-1752.2019.16.015

泰地罗新注射液体外抑菌试验及对感染副猪嗜血杆菌仔猪的保护作用

李国基 闫超群 麻雨桥 谢顺 顾欣 曹莹 黄士新 黄显会

2912-2920

doi: 10.3864/j.issn.0578-1752.2019.16.016

天然蜂粮对高脂血症大鼠血脂、抗氧化及免疫功能的影响

李震 刘志勇 江武军 何旭江 颜伟玉 张丽珍 曾志将

CONTENTS

CROP GENETICS & BREEDING·GERMPLASM RESOURCES·MOLECULAR GENETICS

2743-2757 doi: 10.3864/j.issn.0578-1752.2019.16.001
Development New Molecular Markers for Quantitative Trait Locus (QTL) Analysis of the Seed Protein Content Based on Whole Genome Re-Sequencing in Soybean
WANG Jia, ZENG ZhaoQiong, LIANG JianQiu, YU XiaoBo, WU HaiYing, ZHANG MingRong

2758-2767 doi: 10.3864/j.issn.0578-1752.2019.16.002
Coefficient of Parentage Analysis Among Naked Barley Varieties in Qinghai-Tibet Plateau
LI Jian, FENG XianHong, CAI YiLin

TILLAGE & CULTIVATION·PHYSIOLOGY & BIOCHEMISTRY·AGRICULTURE INFORMATION TECHNOLOGY

2768-2775 doi: 10.3864/j.issn.0578-1752.2019.16.003
Effects of Spectral Distribution on Photosynthetic and Chlorophyll Fluorescence Characteristics of Flag Leaves at Grain Filling Stage in Rice
LI JiangPeng, LIU HaiJun, HUANG ZhiWu, LIU XiaoYing, YOU Jie, XU ZhiGang

2776-2786 doi: 10.3864/j.issn.0578-1752.2019.16.004
Multi-View Geometric Reconstruction of Plant Based on Improved Region-Growing Algorithm
XIAO ShunFu, LIU ShengPing, LI ShiJuan, DU MingZhu, LÜ ChunYang, LIU DaZhong, YANG FeiFei, LIU Hang

PLANT PROTECTION

2787-2799 doi: 10.3864/j.issn.0578-1752.2019.16.005
Identification of the Pathogen Causing Cabbage Died in Gansu Province and Detection of Anastomosis Groups
WANG Duo, XIE XueWen, CHAI ALi, SHI YanXia, LI BaoJu

2800-2808 doi: 10.3864/j.issn.0578-1752.2019.16.006
Status of Major Diseases and Insect Pests of Potato and Pesticide Usage in China
XU Jin, ZHU JieHua, YANG YanLi, TANG Hao, LÜ HePing, FAN MingShou, SHI Ying, DONG DaoFeng, WANG GuiJiang, WANG WanXing, XIONG XingYao, GAO YuLin

2809-2823 doi: 10.3864/j.issn.0578-1752.2019.16.007
One-Step Duplex Rapid Identification Technique of *Frankliniella occidentalis* Greenhouse and Lupin Races Based on Species-Specific COI Marker
ZHANG Rong, WANG YuSheng, YANG LiMei, WAN FangHao, ZHANG GuiFen

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

2824-2834 doi: 10.3864/j.issn.0578-1752.2019.16.008
Nutrients Use Efficiency Change of Chemical Fertilizers for Spring Maize in a Typical Black Soil
QIU ShaoJun, LI Ning, HE Ping, WEI Dan, JIN Liang, ZHAO ShiCheng, XU XinPeng, ZHOU Wei

2835-2844

doi: 10.3864/j.issn.0578-1752.2019.16.009

Determination and Application of a Critical Nitrogen Dilution Curve for Direct-Sowing Winter Oilseed Rape in Central China

LIU QiuXia, REN Tao, ZHANG YaWei, LIAO ShiPeng, LI XiaoKun, CONG RiHuan, LU JianWei

2845-2857

doi: 10.3864/j.issn.0578-1752.2019.16.010

Effects of Natural Vegetation Restoration on Characteristics of Soil Aggregate and Soil Erodibility of Gully Heads in Gully Region of the Loess Plateau

WANG WenXin, WANG WenLong, GUO MingMing, WANG TianChao, KANG HongLiang, YANG Bo, ZHAO Man, CHEN ZhuoXin

HORTICULTURE

2858-2870

doi: 10.3864/j.issn.0578-1752.2019.16.011

Identification of the Target Genes of VvmiR159s and Their Regulation in Response to GA in Different Tissues of Grape Berry

ZHANG WenYing, HAN Xu, ZHU XuDong, XIE ZhenQiang, JIU SongTao, HUANG YuQing, JIA HaiFeng, FANG JingGui, WANG Chen

2871-2879

doi: 10.3864/j.issn.0578-1752.2019.16.012

Effects of 'Tent' Mulching on Soil Temperature and Grape Growth in The Yellow River Delta Saline-Alkali in Spring

WANG Hui, ZHAO Shuo, YANG XingWang, JIN MengLing, DU YuanPeng, GUAN XueQiang, ZHAI Heng

ANIMAL SCIENCE·VETERINARY SCIENCE·RESOURCE INSECT

2880-2890

doi: 10.3864/j.issn.0578-1752.2019.16.013

The Variation/Heteroplasmy of Chicken Mitochondrial ND1 Gene and Its Association with Traits

XU YuanYuan, HOU LingLing, JI JieFei, WANG HuanJie, LI SiLu, CHEN Wen, KANG XiangTao, HUANG YanQun

2891-2898

doi: 10.3864/j.issn.0578-1752.2019.16.014

Effects of Selenium on the Key Factors in Nod2/MAPK/mTORs Signaling Pathways in the bMECs Infected *S. aureus*

BI ChongLiang, LIU JunJun, WANG Heng, WANG Juan, HAN ZhaoQing, GUAN LiZeng

2899-2911

doi: 10.3864/j.issn.0578-1752.2019.16.015

Antibacterial Activity *in Vitro* and Protection of Tildipirosin Injection Against Artificially Infected *Haemophilus Paracooides* in Piglets

LI GuoJi, YAN ChaoQun, MA YuQiao, XIE Shun, GU Xin, CAO Ying, HUANG ShiXin, HUANG XianHui

2912-2920

doi: 10.3864/j.issn.0578-1752.2019.16.016

Effects of Natural Bee Bread on Blood Lipid, Antioxidation and Immune Function in Rats with Hyperlipidemia

LI Zhen, LIU ZhiYong, JIANG WuJun, HE XuJiang, YAN WeiYu, ZHANG LiZhen, ZENG ZhiJiang