



目次

作物遗传育种·种质资源·分子遗传学

- 1973 水稻白化转绿突变体 *v13(t)* 的生理特性和基因定位
- 1980 大豆芽期耐盐和耐低温位点的遗传重叠
- 1989 农杆菌介导甜高粱转 *Bt cry1Ab* 的研究

- 王 军 杨 杰 陈志德 范方军  
朱金燕 杨金欢 仲维功
- 邱鹏程 张闻博 蒋洪蔚 刘春燕
- 李灿东 范冬梅 曾庆力 韩冬伟  
胡国华 陈庆山
- 朱 莉 郎志宏 李桂英 何康来  
岳同卿 张 杰 黄大昉

耕作栽培·生理生化·农业信息技术

- 1997 水稻植株氮素吸收与籽粒蛋白质积累模型
- 2005 砂姜黑土区小麦玉米秸秆全量还田对玉米抗倒性能的影响
- 2013 不同成熟度烟叶烘烤中颜色值和色素含量的变化

- 陈 洁 汤 亮 刘小军 曹卫星  
朱 艳
- 沈学善 李金才 屈会娟 魏凤珍  
张 一 武文明
- 霍开玲 宋朝鹏 武圣江 刘 闯  
贺 帆 官长荣

植物保护

- 2022 粗山羊草 Y192 中抗叶锈基因 *LrY192* 的 SSR 定位
- 2029 亚洲玉米螟 *GOBP2* 的克隆、原核表达及多克隆抗体制备

- 胡亚亚 冯丽娜 冀红柳 孙 一  
张 娜 魏学军 杨文香 刘大群  
贾继增
- 程晓东 安世恒 王海亭 王甜甜  
罗梅浩 郭线茹 原国辉

土壤肥料·节水灌溉·农业生态环境

- 2039 紧实胁迫对不同类型土壤玉米根系时空分布及活力的影响
- 2051 阿克苏河灌区棉花耐盐指标的确定
- 2060 密云水库上游白河磷浓度时间序列的傅立叶与小波分析

- 王 群 李潮海 李全忠 薛 帅
- 张 豫 王立洪 孙三民 陈秀龙  
梁玉纪 胡顺军
- 张微微 李 红 孙丹峰 周连第

园艺

- 2070 花椰菜氮磷钾平衡施肥和阶段施氮效应函数的建立及在配方施肥中的应用

- 李光庆 谢祝捷 姚雪琴

- |      |                          |     |    |     |     |         |
|------|--------------------------|-----|----|-----|-----|---------|
| 2081 | 中国桃主要品种资源及其野生近缘种的分子身份证构建 | 陈昌文 | 曹珂 | 王力荣 | 朱更瑞 | 方伟超     |
| 2094 | 刺梨有机酸组分及抗坏血酸含量分析         | 安华明 | 刘明 | 杨曼  | 樊卫国 |         |
| 2101 | 高温对设施甜樱桃花器官发育的影响         | 李燕  | 李玲 | 李少旋 | 王慧  | 叶宝兴 高东升 |

## 贮藏·保鲜·加工

- |      |                      |     |     |     |     |         |
|------|----------------------|-----|-----|-----|-----|---------|
| 2109 | 大球盖菇多糖的分子质量分布及其单糖的组成 | 陈君琛 | 翁敏劬 | 赖谱富 | 李怡彬 | 周学划 沈恒胜 |
| 2118 | 皮下脂肪和肌内脂肪对猪肉风味的作用    | 黄业传 | 贺雅非 | 李洪军 | 秦刚  | 王庭 马明辉  |

## 畜牧·资源昆虫

- |      |  |     |     |     |     |                |
|------|--|-----|-----|-----|-----|----------------|
| 2131 | 在白色杜洛克×二花脸资源家系中定位影响猪肉滴水损失的 QTL                                   | 周利华 | 郭源梅 | 段艳宇 | 张志燕 | 杨凯旋 麻骏武        |
| 2139 | 17beta-雌二醇通过 beta 受体和 cAMP-ERK1/2 级联调节仔猪睾丸支持细胞 cyclinA2 mRNA 的表达 | 左敬  | 甘瑞  | 张国升 | 张姣姣 | 朱峰伟 孙燕 王鲜忠 张家骅 |
| 2146 | 藏绵羊 DQA1 基因多态性分析   | 成述儒 | 罗玉柱 | 胡江  | 王继卿 | 刘秀             |
| 2154 | 蜂王浆对雄兔生长及繁殖性能的影响   | 许宝华 | 刘志勇 | 曾志将 |     |                |

## 兽医

- |      |                  |     |     |     |     |                    |
|------|------------------|-----|-----|-----|-----|--------------------|
| 2161 | 鸭出血性卵巢炎实验感染模型的建立 | 林健  | 韩春华 | 陈华林 | 蒋桃珍 | 梁武 何平有 杨保收 王英      |
| 2168 | 动物转基因新技术研究进展     | 韩婧雯 | 刘东艳 | 潘洁  | 段会娟 | 丁佩佩 胡胜强 刘月煊 陈青 曾文广 |

## 研究简报

- |      |                              |     |     |     |     |        |
|------|------------------------------|-----|-----|-----|-----|--------|
| 2176 | 秸秆全量还田对冬小麦不同小穗位和粒位结实粒数和粒重的影响 | 屈会娟 | 李金才 | 沈学善 | 魏凤珍 | 吴进东 马蓓 |
| 2184 | 外源 NO 对连作条件下平邑甜茶幼苗生理特性的影响    | 高安妮 | 田长平 | 胡艳丽 | 陈强  | 毛志泉    |

## CONTENTS

**CROP GENETICS & BREEDING • GERMLASM RESOURCES • MOLECULAR GENETICS**

- 1973 Physiological Character and Gene Fine Mapping of a *Virescent* Mutant *v13(t)* in Rice (*Oryza sativa* L.) WANG Jun, YANG Jie, CHEN Zhi-de, FAN Fang-jun, ZHU Jin-yan, YANG Jin-huan, ZHONG Wei-gong
- 1980 Genetic Overlap Between Salt and Low-Temperature Tolerance Loci at Germination Stage of Soybean QIU Peng-cheng, ZHANG Wen-bo, JIANG Hong-wei, LIU Chun-yan, LI Can-dong, FAN Dong-mei, ZENG Qing-li, HAN Dong-wei, HU Guo-hua, CHEN Qing-shan
- 1989 Introduction of Bt *cry1Ah* Gene into Sweet Sorghum (*Sorghum bicolor* L. Moench) by *Agrobacterium tumefaciens*-Mediated Transformation ZHU Li, LANG Zhi-hong, LI Gui-ying, HE Kang-lai, YUE Tong-qing, ZHANG Jie, HUANG Da-fang

**TILLAGE & CULTIVATION • PHYSIOLOGY & BIOCHEMISTRY • AGRICULTURE INFORMATION TECHNOLOGY**

- 1997 Modeling Plant Nitrogen Uptake and Grain Protein Accumulation in Rice CHEN Jie, TANG Liang, LIU Xiao-jun, CAO Wei-xing, ZHU Yan
- 2005 Effects of Wheat and Maize Straw Returned to the Field on Lodging Resistance of Maize in Lime Concretion Black Soil Region SHEN Xue-shan, LI Jin-cai, QU Hui-juan, WEI Feng-zhen, ZHANG Yi, WU Wen-ming
- 2013 Study on Changes of Color Parameters and Pigment Contents in Flue-cured Tobacco Leaves with Different Maturities During Bulk-curing Process HUO Kai-ling, SONG Zhao-peng, WU Sheng-jiang, LIU Chuang, HE Fan, GONG Chang-rong

**PLANT PROTECTION**

- 2022 SSR Mapping of Leaf Rust Resistance Gene *LrY192* in *Aegilops tauschii* Y192 HU Ya-ya, FENG Li-na, JI Hong-liu, SUN Yi, ZHAN Na, WEI Xue-jun, YANG Wen-xiang, LIU Da-qun, JIA Ji-zeng
- 2029 cDNA Cloning, Prokaryotic Expression and Polyclonal Antibody Preparation of *GOBP2* from *Ostrinia furnacalis* (Guenée) CHENG Xiao-dong, AN Shi-heng, WANG Hai-ting, WANG Tian-tian, LUO Mei-hao, GUO Xian-ru, YUAN Guo-hui

**SOIL & FERTILIZER • WATER-SAVING IRRIGATION • AGROECOLOGY & ENVIRONMENT**

- 2039 Effect of Soil Compaction on Spatio-temporal Distribution and Activities in Maize Under Different Soil Types WANG Qun, LI Chao-hai, LI Quan-zhong, XUE Shuai
- 2051 Indexes of Salt Tolerance of Cotton in Akesu River Irrigation District ZHANG Yu, WANG Li-hong, SUN San-min, CHEN Xiu-long, LIANG Yu-ji, HU Shun-jun
- 2060 Fourier and Wavelet Analysis of Phosphorus Concentration Time Series in Baihe River in Miyun Reservoir Upstream Watershed ZHANG Wei-wei, LI Hong, SUN Dan-feng, ZHOU Lian-di

**HORTICULTURE**

- 2070 Effect Function of NPK Fertilization, N Fertilization in Different Stages and Its Application in Formula Fertilization on Cauliflower LI Guang-qing, XIE Zhu-jie, YAO Xue-qin
- 2081 Molecular ID Establishment of Main China Peach Varieties and Peach Related Species CHEN Chang-wen, CAO Ke, WANG Li-rong, ZHU Geng-rui, FANG Wei-chao

- 2094 Analysis of Main Organic Acid Compositions in *Rosa roxburghii* Tratt AN Hua-ming, LIU Ming, YANG Man, FAN Wei-guo
- 2101 Effect of High Temperature on the Flower Development of Sweet Cherry in Solar Greenhouse LI Yan, LI Ling, LI Shao-xuan, WANG Hui, YE Bao-xing, GAO Dong-sheng

**STORAGE • FRESH-KEEPING • PROCESSING**

- 2109 Distribution of *Stropharia rugoso-annulata* Polysaccharides Molecular Weight and Component Sugar CHEN Jun-chen, WENG Min-jie, LAI Pu-fu, LI Yi-bin, ZHOU Xue-hua, SHEN Heng-sheng
- 2118 The Flavor Contribution of Subcutaneous and Intramuscular Fat to Pork HUANG Ye-chuan, HE Zhi-fei, LI Hong-jun, QIN Gang, WANG Ting, MA Ming-hui

**ANIMAL SCIENCE • RESOURCE INSECT**

- 2131 QTL Mapping for Drip Loss in a White Duroc × Erhualian F<sub>2</sub> Resource Population ZHOU Li-hua, GUO Yuan-mei, DUAN Yan-yu, ZHANG Zhi-yan, YANG Kai-xuan, MA Jun-wu
- 2139 17-beta Estradiol Regulates the Expression of CyclinA2 mRNA of Cultured Immature Boar Sertoli Cells via Estrogen Receptor beta, cAMP-PKA and ERK1/2 ZUO Jing, GAN Rui, ZHANG Guo-sheng, ZHANG Jiao-jiao, ZHU Feng-wei, SUN Yan, WANG Xian-zhong, ZHANG Jia-hua
- 2146 Polymorphisms of the DQA1 Gene in Tibetan Sheep CHENG Shu-ru, LUO Yu-zhu, HU Jiang, WANG Ji-qing, LIU Xiu
- 2154 Effect of Royal Jelly on Growth and Reproduction Performance of Male Rabbits XU Bao-hua, LIU Zhi-yong, ZENG Zhi-jiang

**VETERINARY SCIENCE**

- 2161 Establishment of Experimental Infection Model of Duck Hemorrhagic Ovaritis LIN Jian, HAN Chun-hua, CHEN Hua-lin, JIANG Tao-zhen, LIANG Wu, HE Ping-you, YANG Bao-shou, WANG Ying, HAN Jing-we, LIU Dong-yan, PAN Jie, DUAN Hui-juan, DING Pei-pei, HU Sheng-qiang, LIU Yue-huan
- 2168 Progress in Research of Animal Transgenic Technology CHEN Qing, CAO Wen-guang

**RESEARCH NOTES**

- 2176 Effects of All Straw Returned to the Field on Grain Number and Grain Weight at Different Spikelets and Grain Positions in Winter Wheat QU Hui-juan, LI Jin-cai, SHEN Xue-shan, WEI Feng-zhen, WU Jin-dong, MA Bei
- 2184 Effects of Exogenous Nitric Oxide on Physiological Characteristics of Seedlings of *Malus hupehensis* Rehd. Under Continuous Cropping GAO An-ni, TIAN Chang-ping, HU Yan-li, CHEN Qiang, MAO Zhi-quan