

园艺学报

YUANYI XUEBAO

2011年3月 第38卷 第3期

目次

果树

- | | | | | | |
|-----|------------------------------|-----|-----|-----|---------|
| 409 | 草莓叶面施硒对其重金属镉和铅积累的影响 | 张海英 | 韩涛 | 田磊 | 王有年 |
| 417 | 干旱胁迫下柑橘叶片基因表达谱的 cDNA-AFLP 分析 | 肖金平 | 陈俊伟 | 张慧琴 | 徐红霞 王慧亮 |
| | | 谢鸣 | | | |
| 425 | 柑橘叶脉开裂症与矿质营养的关系 | 李健 | 谢钟琛 | 谢文龙 | 吴兴明 施清 |
| 434 | 早实核桃花器官发育的解剖学研究 | 李永涛 | 赵勇刚 | 杨克强 | 房瑶瑶 侯立群 |
| 441 | 核桃属种质资源的 EST-SSR 标记研究 | 齐建勋 | 郝艳宾 | 朱艳 | 吴春林 王维霞 |
| | | 冷平 | | | |
| 449 | 杧果种质遗传多样性的表型分析和 AFLP 分析 | 石胜友 | 武红霞 | 王松标 | 刘丽琴 王一承 |
| | | 马蔚红 | | | |

蔬菜

- | | | | | | |
|-----|-------------------------------------|-----|-----|-----|---------|
| 457 | 光强阶跃下番茄叶片光合系统的响应动态 | 边江 | 高志奎 | | |
| 465 | 多主棒孢菌在黄瓜、番茄和茄子寄主上致病力的分化 | 高苇 | 李宝聚 | 石延霞 | 谢学文 |
| 471 | 黄瓜霜霉病抗性相关基因的初步研究 | 李建吾 | 司胜伟 | 胡建斌 | 刘丽君 |
| 479 | 南方根结线虫辣椒 <i>Me3</i> 毒性群体适合度代价及专化性分析 | 蒋丽芬 | 菲振川 | 陈国华 | 杨宇红 谢丙炎 |
| 487 | 津田芜菁 <i>BrEGL3</i> cDNA 的克隆及表达分析 | 闰海芳 | 李玉花 | 孙佰贺 | 许道琦 聂唯天 |
| | | 刘振华 | 闵远琴 | | |

观赏植物

- | | | | | | |
|-----|-------------------------------|-----|-----|-----|---------|
| 495 | 新疆天山山脉地区疏花蔷薇天然居群表型多样性分析 | 郭宁 | 杨树华 | 葛维亚 | 葛红 |
| 503 | 芍药野生居群父系分析与遗传结构研究 | 胡文清 | 鲁衡 | 刘伟 | 袁俊霞 张大明 |
| 512 | 常绿阔叶园林 6 树种(品种)对模拟酸雨的生理响应及敏感性 | 李志国 | 姜卫兵 | 翁忙玲 | 姜武 |
| 519 | 翠南报春传粉生物学研究 | 周蕴薇 | 申丽丽 | 王晓丽 | 韩立群 |
| 527 | 贴梗海棠花青苷组成及其与花色的关系 | 张洁 | 王亮生 | 高锦明 | 李圣波 徐彦军 |
| | | 李崇晖 | 杨瑞珍 | | |

研究报告

- | | | | | | | |
|-----|--------------------------------------|-----|-----|-----|-----|-----|
| 535 | 一个与桃成熟期 QTL 连锁的 SSR 标记 | 宋立琴 | 张立彬 | 张吉军 | 于凤鸣 | 肖 啸 |
| 541 | 芥蓝不同器官主要营养成分分析 | 孙 勃 | 方 莉 | 刘 娜 | 闫会转 | 张雅君 |
| | | 施倩倩 | 汪俏梅 | | | |
| 549 | 拟南芥叶绿体 SSR 引物在甘蓝上的应用 | 张扬勇 | 方智远 | 王庆彪 | 刘玉梅 | 杨丽梅 |
| | | 庄 木 | 孙培田 | | | |
| 556 | 钾素对水培大蒜生理和品质的影响 | 陈 昆 | 刘世琦 | 张自坤 | 张 涛 | 孟凡鲁 |
| 563 | 唐菖蒲茉莉酸生物合成关键酶基因 <i>LOXI</i> 的克隆及表达分析 | 连青龙 | 辛海波 | 张自由 | 钟雄辉 | 罗 弦 |
| | | 义鸣放 | | | | |
| 571 | 中国石蒜 SSR 体系的建立及性状对应分析 | 时 剑 | 童再康 | 黄华宏 | 刘志高 | 彭沙沙 |
| | | 周厚君 | | | | |
| 579 | 小苍兰切花瓶插生理研究 | 袁 媛 | 余忆冬 | 连芳青 | 唐东芹 | |

新技术与新方法

- | | | | | | | |
|-----|---------------|-----|-----|-----|-----|-----|
| 587 | 大蒜白腐病抗性鉴定方法研究 | 梁 静 | 程智慧 | 孟焕文 | 柴喜荣 | 禹 珂 |
| | | 李 威 | | | | |

新品种

- | | | | | | | |
|-----|------------------|-----|-----|-----|-----|-----|
| 593 | 无核葡萄新品种‘瑞都无核怡’ | 徐海英 | 张国军 | 闫爱玲 | 孙 磊 | |
| 595 | 优质中熟无核葡萄新品种‘丽红宝’ | 陈 俊 | 唐晓萍 | 马小河 | 赵旗峰 | 董志刚 |
| 597 | 中熟桃新品种‘双奥红’ | 董晓颖 | 刘成连 | 李培环 | 刘更森 | 马春晖 |
| | | 原永兵 | | | | |
| 599 | 桃新品种‘久红’ | 张立彬 | 肖 啸 | 张吉军 | 刘建珍 | 宋立琴 |
| 601 | 全红型猕猴桃新品种‘红宝石星’ | 齐秀娟 | 韩礼星 | 李 明 | 赵改荣 | 李五红 |
| | | 方金豹 | | | | |
| 603 | 早熟鲜食枣新品种‘李府贡枣’ | 孙 俊 | 孙其宝 | 俞飞飞 | 陆丽娟 | 刘 茂 |
| 605 | 西瓜新品种‘裕农新 1 号’ | 童 莉 | 王 欣 | 段士民 | 王云鹤 | 陈 英 |
| | | 尹林克 | 荆卫民 | | | |
| 607 | 观赏海棠新品种‘紫美人’ | 沈红香 | 张 杰 | 晋恺娜 | 孔 云 | 姚允聪 |

动态与信息

- | | |
|-----|------------------------|
| 586 | 征文通知 |
| 456 | 欢迎订阅《园艺学报》 |
| 470 | 征订《中国蔬菜栽培学》(第 2 版) |
| 578 | 征订《新编拉汉英植物名称》《中国蔬菜品种志》 |
| 609 | 《园艺学报》征稿简则 |
| 611 | 致谢审稿专家 |

ACTA HORTICULTURAE SINICA

Vol. 38 No. 3 March, 2011

CONTENTS

Fruit Trees

- 409 Effects of Cadmium and Lead Accumulation in Strawberry Growing Period by Spraying Se-fertilizer to Leaves ZHANG Hai-ying, HAN Tao, TIAN Lei, and WANG You-nian
- 417 Gene Expression Profiling in Response to Drought Stress in Citrus Leaves by cDNA-AFLP XIAO Jin-ping, CHEN Jun-wei, ZHANG Hui-qin, XU Hong-xia, WANG Hui-liang, and XIE Ming
- 425 Relationship Between Leaf Vein Splitting and Mineral Nutrition of Citrus LI Jian, XIE Zhong-chen, XIE Wen-long, WU Xing-ming, and SHI Qing
- 434 Studies on Floral Organ Development Process of Precocious Walnut (*Juglans regia*) by Anatomia LI Yong-tao, ZHAO Yong-gang, YANG Ke-qiang, FANG Yao-yao, and HOU Li-qun
- 441 Studies on Germplasm of *Juglans* by EST-SSR Markers QI Jian-xun, HAO Yan-bin, ZHU Yan, WU Chun-lin, WANG Wei-xia, and LENG Ping
- 449 Genetic Diversity of Mango Germplasm Based on Morphological Charaters and AFLP Markers SHI Sheng-you, WU Hong-xia, WANG Song-biao, LIU Li-qin, WANG Yi-cheng, and MA Wei-hong

Vegetables

- 457 Dynamic Response of Photosynthetic System to Light Intensity Step Change on Tomato Leaf BIAN Jiang and GAO Zhi-kui
- 465 Studies on Pathogenicity Differentiation of *Corynespora cassiicola* Isolates, Against Cucumber, Tomato and Eggplant GAO Wei, LI Bao-ju, SHI Yan-xia, and XIE Xue-wen
- 471 Preliminary Study on Resistance-related Genes in Cucumber Inoculated with *Pseudoperonospora cubensis* LI Jian-wu, SI Sheng-wei, HU Jian-bin, and LIU Li-jun
- 479 Fitness Cost and Specialization of Pepper *Me3* Virulent Population in the Parthenogenetic Nematode *Meloidogyne incognita* JIANG Li-fen, MAO Zhen-chuan, CHEN Guo-hua, YANG Yu-hong, and XIE Bing-yan
- 487 Cloning and Expression Analysis of Enhancer of Glabra3 (*BrEGL3*) in *Brassica campestris* L. ssp. *rapifera* 'Tsuda' YAN Hai-fang, LI Yu-hua, SUN Bai-he, XU Dao-qi, NIE Wei-tian, LIU Zhen-hua, and MIN Yuan-qin

Ornamental Plants

- 495 Phenotypic Diversity of Natural Populations of *Rosa laxa* Retz. in Tianshan Mountains of Xinjiang GUO Ning, YANG Shu-hua, GE Wei-ya, and GE Hong
- 503 Paternity Identification and Genetic Structure Analysis on the Wild Population in *Paeonia lactiflora* Pallas (*Paeoniaceae*) HU Wen-qing, LU Heng, LIU Wei, YUAN Jun-xia, ZHANG Da-ming
- 512 Physiologic Responses and Sensitivity of Six Garden Plants to Simulated Acid Rain LI Zhi-guo, JIANG Wei-bing, WENG Mang-ling, and JIANG Wu
- 519 The Pollination Biology of *Primula sieboldii* ZHOU Yun-wei, SHEN Li-li, WANG Xiao-li, and HAN Li-qun

527 Identification of Anthocyanins Involving in Petal Coloration in *Chaenomeles speciosa* Cultivars

ZHANG Jie, WANG Liang-sheng, GAO Jin-ming, LI Sheng-bo, XU Yan-jun, LI Chong-hui, and YANG Rui-zhen

Research Notes

535 Identification of SSR Marker Link to Maturity QTL in Peach

SONG Li-qin, ZHANG Li-bin, ZHANG Ji-jun, YU Feng-ming, and XIAO Xiao

541 Studies on Main Nutritional Components of Chinese Kale Among Different Organs

SUN Bo, FANG Li, LIU Na, YAN Hui-zhuan, ZHANG Ya-jun, SHI Qian-qian, and WANG Qiao-mei

549 Utility of *Arabidopsis* Chloroplast Simple Sequence Repeat (cpSSR) Primers in Cabbage (*Brassica oleracea* L. var. *capitata* L.)

ZHANG Yang-yong, FANG Zhi-yuan, WANG Qing-biao, LIU Yu-mei, YANG Li-mei, ZHUANG Mu, and SUN Pei-tian

556 Effects of Potassium in Nutrient Solution on Physiological and Quality of Garlic

CHEN Kun, LIU Shi-qi, ZHANG Zi-kun, ZHANG Tao, and MENG Fan-lu

563 Cloning and Expression Analysis of Lipoxygenase-1 Gene Encoding a Key Enzyme of the Biosynthesis of Jasmonic Acid from *Gladiolus hybridus*

LIAN Qing-long, XIN Hai-bo, ZHANG Zi-you, ZHONG Xiong-hui, LUO Xian, and YI Ming-fang

571 Establishment of an SSR Analysis Protocol and Corresponding Analysis of Characteristics in *Lycoris chinensis*

SHI Jian, TONG Zai-kang, HUANG Hua-hong, LIU Zhi-gao, PENG Sha-sha, and ZHOU Hou-jun

579 Studies on Physiological Characteristics of Cut *Freesia* Flowers During Vase Holding

YUAN Yuan, YU Yi-dong, LIAN Fang-qing, and TANG Dong-qin

Technologies and Methods

587 Protocol Establishment for Evaluation of Resistance of Garlic to White Rot (*Sclerotium cepivorum* Berk.)

LIANG Jing, CHENG Zhi-hui, MENG Huan-wen, CHAI Xi-rong, YU Ke, and LI Wei

New Cultivars

593 A New Seedless Grape Variety 'Ruidu Wuheyi'

XU Hai-ying, ZHANG Guo-jun, YAN Ai-ling, and SUN Lei

595 An Excellent Mid-ripening Seed-less New Grape Cultivar 'Lihongbao'

CHEN Jun, TANG Xiao-ping, MA Xiao-he, ZHAO Qi-feng, and DONG Zhi-gang

597 A New Mid-maturing Peach Cultivar 'ShuangaoHong'

DONG Xiao-ying, LIU Cheng-lian, LI Pei-huan, LIU Geng-sen, MA Chun-hui, and YUAN Yong-bing

599 A New Peach Cultivar 'Jiuhong'

ZHANG Li-bin, XIAO Xiao, ZHANG Ji-jun, LIU Jian-zhen, and Song Li-qin

601 A New All-red Kiwifruit Cultivar 'Rubystar'

QI Xiu-juan, HAN Li-xing, LI Ming, ZHAO Gai-rong, LI Yu-hong, and FANG Jin-bao

603 An Early-maturing Table Cultivar of Chinese Jujube 'Lifu Gongzao'

SUN Jun, SUN Qi-bao, YU Fei-fei, LU Li-juan, and LIU Mao

605 A New Seedless Watermelon Cultivar 'Yunongxin 1'

TONG Li, WANG Xin, DUAN Shi-Min, WANG Yun-he, CHEN Ying, YIN Lin-ke, and JING Wei-Min

607 A New *Malus* Crabapple Cultivar 'Zimeiren'

SHEN Hong-xiang, ZHANG Jie, JIN Kai-na, KONG Yun, and YAO Yun-cong