

全国中文核心期刊  
中国科技核心期刊  
中国农业核心期刊



ISSN 1000-3924  
CN 31-1405/S  
CODEN SHNXED

# 上海农业学报

Shanghai Nongye Xuebao

ACTA AGRICULTURAE SHANGHAI

第 28 卷

第 3 期

Vol. 28

No. 3

# 2012

上海市农业科学院 主办  
上海市农学会

Sponsored by

Shanghai Academy of Agricultural Sciences  
Shanghai Agricultural Sciences Society

万方数据

[期刊基本参数]CN31-1405/S \* 1985 \* q \* A4 \* 138 \* zh + en \* P \* 10.00 \* 1 000 \* 33 \* 2012-08

## 目 次

## 研究报告

- 上海地区番茄黄化曲叶病症状多样性与分子鉴定 ..... 田守波, 张 辉,  
于 力, 朱龙英, 黑银秀, 陈亚丽, 朱为民(1)
- 一个水稻抗逆候选基因 *OsHMGB3* 的鉴定与评价 ..... 陈守俊, 刘鸿艳, 罗利军(6)
- NaCl 胁迫对嫁接茄子幼苗光合作用和离子含量的影响 ..... 吴雪霞, 查丁石, 朱宗文(13)
- 表油菜素内酯对高温胁迫下甜瓜幼苗叶绿素荧光特性的影响 ..... 张永平, 范红伟, 杨少军, 陈幼源(17)
- 番茄黄化曲叶病毒侵染对番茄叶片光合及荧光特性的影响 ..... 于 力, 阎 君,  
郭世荣, 黑银秀, 许 爽, 朱为民(22)
- 上海空港口岸入境旅客携带物检疫监管情况分析 ..... 金亦民, 万明伟, 王雯丽,  
孔令斌, 潘梅莹, 张书俊, 高 超, 周 琦, 刘 俊(26)
- 3 种番茄斑萎病毒属病毒多重 RT-PCR 检测方法的建立 ..... 代欢欢, 陈舜胜, 杨翠云, 于 翠(32)
- 气调包装(MAP)对杏鲍菇子实体中游离糖的影响 ..... 刘 鹏, 邢增涛, 邵 毅,  
刘海燕, 赵晓燕, 赵明文(37)
- 进境风信子种球中菊基腐病菌的鉴定 ..... 李 娜, 周国梁, 印丽萍, 陈仲兵, 陈舜胜, 易建平(42)
- 考来木离体培养及产业化研究 ..... 吕秀立(46)
- 巴马小型猪早期生长曲线拟合研究 ..... 张树山, 戴建军, 吴彩凤, 张廷宇, 张德福(49)
- 60 例犬乳腺肿瘤病例的临床调查与分析 ..... 王彤光, 陈 谊, 侯加法(52)
- 东方杉优树无性系构建与筛选技术的初步研究 ..... 俞平高, 张建军(55)
- 外施不同浓度 KH<sub>2</sub>PO<sub>4</sub> 营养液对 4 年生‘中红杨’叶色的影响 ..... 杨淑红, 朱延林, 张江涛, 丁 鑫(59)
- 灵芝茯苓提取物组方对化学性肝损伤的保护作用 ..... 严培兰, 蒋春强, 王荣谈, 郭步青, 龚胜萍(63)

- 3种草本植物盐碱土栽培地的根际环境变化 ..... 王宏伟, 黄清俊, 李萍, 朱继军, 陈必胜(66)
- 贵阳市3种野生叶菜的部分功能性成分及其理化特性研究 ..... 黄凯丰, 彭慧蓉,  
郭肖, 欧腾, 宋毓雪(70)
- 低温胁迫对番茄幼苗叶绿素和丙二醛的影响 ..... 张静, 朱为民(74)
- 不同砧木嫁接对西瓜生长和品质性状的影响 ..... 陈春秀, 王宝驹(78)
- 青贮专用玉米品种比较研究——以上海市奉贤区为例 ..... 吴海忠, 顾敏健, 顾兴建, 王义发(82)
- 上海经济增长与城乡收入差距实证研究——基于协整模型分析 ..... 徐伟斌(87)
- 物联网技术在作物栽培环境监控系统中的应用 ..... 李莉, 顾巧英, 陈金星(91)
- 1990—2010年上海市农业科技进步贡献率的测算与分析 ..... 张睿, 张莉侠, 王晓华, 闫其涛(95)
- 浦东为农综合科技短信服务平台的设计与应用 ..... 陆利明, 王韧, 王笑, 孙欣(100)
- 上海物联网产业分析与发展对策 ..... 毛祥东, 虞紫燕(104)
- 农业科研单位如何应对财政支出绩效评价 ..... 朱靖, 邱巧根(108)

## 文献综述

- 东乡野生稻的研究现状及其展望 ..... 谭陈菊, 雷雪芳, 肖晓春, 熊翔宇, 周铖勇, 崔伏生(111)
- 上海市有机食品产业发展研究 ..... 王坤, 平瑛(116)

## 研究简报

- 上海市闵行区“生态精品”现代都市农业发展思路探索 ..... 曾凡荣, 张国荣(120)

## 郊区农业

- 粳型光温敏感雄性核不育系开花习性研究 ..... 陆燕雯, 王冬翼, 顾庆华, 胡晓颖, 曹忠(124)
- 不同播期和播量对青浦区主推小麦品种产量的影响 ..... 顾芹芹, 胡大明, 蒋其根,  
郑超, 陆强, 吴淳, 钱益芳(127)
- 上海市奉贤地区纯小麦秸秆堆肥试验 ..... 朱萍, 王华, 顾艾节, 夏伟, 卫勤, 陆金余(132)
- ‘东方蜜1号’哈密瓜主要病虫害种类调查及防治技术 ..... 杨晓华(135)

**ACTA AGRICULTURAE SHANGHAI Vol. 28 No. 3**  
**CONTENTS**

**Research Reports**

- Symptomatic diversity and molecular identification of tomato yellow leaf curl virus in Shanghai area ..... *TIAN Shou-bo, ZHANG Hui, YU Li, ZHU Long-ying, HEI Yin-xiu, CHEN Ya-li, ZHU Wei-min* ( 1 )
- Identification and evaluation of a stress-resistant candidate gene *OsHMGB3* in rice ..... *CHEN Shou-jun, LIU Hong-yan, LUO Li-jun* ( 6 )
- Effects of NaCl stress on photosynthesis and ion contents of grafted eggplant seedlings ..... *WU Xue-xia, ZHA Ding-shi, ZHU Zong-wen* ( 13 )
- Effects of epibrassinolide on chlorophyll fluorescence characteristics of melon seedlings under high temperature stress ..... *ZHANG Yong-ping, FAN Hong-wei, YANG Shao-jun, CHEN You-yuan* ( 17 )
- Effects of tomato yellow leaf curl virus(TYLCV)infection on photosynthetic and fluorescent characteristics of tomato leaves ..... *YU Li, YAN Jun, GUO Shi-rong, HEI Yin-xiu, XU Shuang, ZHU Wei-min* ( 22 )
- Analysis of quarantining and supervising goods carried by passengers entering at Shanghai international airports ..... *JIN Yi-min, WAN Ming-wei, WANG Wen-li, KONG Ling-bin, PAN Mei-ying, ZHANG Shu-jun, GAO Chao, ZHOU Qi, LIU Jun* ( 26 )
- A method of synchronously detecting three kinds of *Tospovirus* viruses by multiplex RT-PCR ..... *DAI Huan-huan, CHEN Shun-sheng, YANG Cui-yun, YU Cui* ( 32 )
- The influence of modified-atmosphere packaging(MAP)on free sugars of *Pleurotus eryngii* fruiting bodies ..... *LIU Peng, XING Zeng-tao, SHAO Yi, LIU Hai-yan, ZHAO Xiao-yan, ZHAO Ming-wen* ( 37 )
- Identification of *Dickeya chrysanthemi* in introduced hyacinth bulbs ..... *LI Na, ZHOU Guo-liang, YIN Li-ping, CHEN Zhong-bing, CHEN Shun-sheng, YI Jian-ping* ( 42 )
- In vitro* culture and commercial production of *Correa carmen* ..... *LÜ Xiu-li* ( 46 )
- Study on curves fitting Bama miniature pigs'early-stage growth ..... *ZHANG Shu-shan, DAI Jian-jun, WU Cai-feng, ZHANG Ting-yu, ZHANG De-fu* ( 49 )
- The clinical investigation of 60 cases of canine mammary tumors ..... *WANG Tong-guang, CHEN Yi, HOU Jia-fa* ( 52 )
- Preliminary study on establishment and screening technique of plus tree clones of *Taxodium mucronatum* × *Cryptomeria fortunei* ..... *YU Ping-gao, ZHANG Jian-jun* ( 55 )
- Effect of applying KH<sub>2</sub>PO<sub>4</sub> nutrient solution at different concentrationson leaf color of 4-year-old *Populus* × *euramericana* ‘Zhonghong’ ..... *YANG Shu-hong, ZHU Yan-lin, ZHANG Jiang-tao, DING Xin* ( 59 )
- The protective effect of *Ganoderma lucidum* and *Poris cocos* extractive formula on chemical liver injury ..... *YAN Pei-lan, JIANG Chun-qiang, WANG Rong-tan, GUO Bu-qing, GONG Sheng-ping* ( 63 )

- The rhizosphere soil environment changes after growing 3 species of herbaceous plants on saline-alkali soil ..... WANG Hong-wei , HUANG Qing-jun , LI Ping , ZHU Ji-jun , CHEN Bi-sheng ( 66 )
- Analysis on partial functional components and physicochemical characters of 3 species of wild leaf vegetables in Guiyang ..... HUANG Kai-feng , PENG Hui-rong , GUO Xiao , OU Teng , SONG Yu-xue ( 70 )
- Effects of chilling stress on contents of chlorophyll and malondialdehyde in tomato seedlings ..... ZHANG Jing , ZHU Wei-min ( 74 )
- Effects of rootstocks on the growth and fruit quality of grafted watermelon plants ..... CHEN Chun-xiu , WANG Bao-ju ( 78 )
- Varietal yield test for silage corn varieties in Fengxian area of Shanghai ..... WU Hai-zhong , GU Min-jian , GU Xing-jian , WANG Yi-fa ( 82 )
- Empirical research on the relationship between the economic growth and the urban-rural income differential in Shanghai based on a cointegration model ..... XU Wei-bin ( 87 )
- Application of the internet-of-things(IOT)technology to crops cultivation environment monitoring system ..... LI Li , GU Qiao-ying , CHEN Jin-xing ( 91 )
- Calculation and analysis of the contribution ratio of agricultural technical progress in Shanghai between 1990 – 2010 ..... ZHANG Rui , ZHANG Li-xia , WANG Xiao-hua , YAN Qi-tao ( 95 )
- Design and application of the integrated short message service platform of agricultural technology for farmers in Pudong ..... LU Li-ming , WANG Ren , WANG Xiao , SUN Xin (100)
- Analysis and development countermeasures of Shanghai internet-of-things industry ..... MAO Xiang-dong , YU Zi-yan (104)
- How agricultural research institutes deal with the performance evaluation of fiscal expenditure ..... ZHU Jing , QIU Qiao-gen (108)

#### Reviews

- The status quo and prospects of researching into Dongxiang wild rice ..... TAN Chen-ju , LEI Xue-fang , XIAO Xiao-chun , XIONG Xiang-yu , ZHOU Cheng-yong , CUI Fu-sheng (111)
- Development of organic food industry in Shanghai ..... WANG Kun , PING Ying (116)

#### Research Note

- Thinking of developing modern urban agriculture in Minhang District of Shanghai ..... ZENG Fan-rong , ZHANG Guo-rong (120)

#### Suburban Agriculture

- Study on the flowering habit of P(T) GMS lines of japonica rice ..... LU Yan-wen , WANG Dong-yi , GU Qing-hua , HU Xiao-ying , CAO Zhong (124)
- Influence of seeding date and seeding rate on yields of main wheat varieties in Qingpu,Shanghai ..... GU Qin-qin , HU Da-ming , JIANG Qi-gen , ZHENG Chao , LU Qiang , WU Chun , QIAN Yi-fang (127)
- Experiments of composting simple wheat straw in Fengxian,Shanghai ..... ZHU Ping , WANG Hua , GU Ai-jie , XIA Wei , WEI Qin , LU Jin-yu (132)
- Survey and control of diseases and insect pests of Hami melon cultivar ‘Dongfangmi 1’ ..... YANG Xiao-hua (135)