



中文核心期刊
中国科技核心期刊
中国农业核心期刊
RCCSE中国核心学术期刊
中国科学引文数据库库源期刊

ISSN 1001-4829
CN51-1213/S
CODEN XNXUEF

西南农业学报

SOUTHWEST CHINA JOURNAL OF AGRICULTURAL SCIENCES

2013
264

第26卷 第4期

Vol.26 No.4

《西南农业学报》编辑委员会

ISSN 1001-4829

08>
9 771001 482034

西南农业学报

2013年 第26卷 第4期

目 次

作物遗传育种·种质资源

- 1301 水稻籼粳交衍生系籼粳分化分析及其在 DNA 水平上
划分标准初探 杨旺兴,许旭明,祁建民,卓伟,
张爱刚,马彬林,韦新宇,邹文广
- 1308 贵州不同生态稻作区 23 个红米稻品种的恢复性初探 石邦志,孙灿慧,陈文强,周乐良,
伍祥,张上都
- 1312 小麦品种宁麦 16 产量构成因素分析 姚金保,马鸿翔,姚国才,杨学明,
张鹏,周森平,张平平
- 1316 玉米种质杂种优势群划分及主要性状相关性与通径分析 祁志云,杨华,李淑君,邱正高,
张亚勤,袁亮,金川
- 1322 利用闭合三角形杂交群体检测玉米株高的 QTL 苏顺宗,张啸,吴玲,刘丹
- 1327 甘蔗属热带种与滇蔗茅远缘杂交 F₁ 代 GISH 分析 林秀翠,陆鑫,毛钧,刘新龙,
苏火生,蔡青
- 1332 利用 RAPD 和 ISSR 标记对茶树新品种特早 213
与福选 9 号的鉴定 王小萍,李春华,马伟,王云
- 1337 云南绿茶新品种‘云抗 47 号’的选育 徐丕忠,王家金,田易萍,周萌,
孙雪梅,李友勇,刘本英
- 1344 云南不同茶树品种氟含量变化比较研究 李友勇,王家金,梁名志,刘本英,
田易萍,孙雪梅,包云秀,徐丕忠,
蒋会兵,周萌
- 1348 橡胶树人工授粉全同胞家系苗木生长量性状变异分析 余文才,宁连云,刘忠亮,许彦国,
和丽岗
- 1352 不同成熟度烤烟的植物学性状和组织结构研究 叶为民,李旭华,卢叶,张晓龙,
郑武,邓国宾
- 1356 基于 CART 模型的烤烟评吸质量影响因子研究 许安定,杜国伟,刘洪斌

1362 外引烤烟新品种 NC297 在豫中的适应性研究

李雪君,丁燕芳,孙计平,孙 媛,

李富欣,曹晓涛

耕作栽培·生理生化

1367 重庆地区水稻高产栽培的适宜田间配置方式研究

姚 雄,唐永群,文 明,甘兴友,

刘代杰,杨光荣,张现伟,李经勇

杨从党,李刚华,李贵勇,夏琼梅,

邓安凤,王绍华,刘正辉,凌启鸿,

丁艳锋

1378 贺州烟—薯模式连作下烤烟障碍成因分析

沈方科,易芬远,首安发,唐新莲,

石保峰,黎 峰,徐 婷,顾明华,

首茹芳

1383 贵州 12 个高糖高产甘蔗品种(系)的性状表现及优化栽培技术

周正邦,周娜娜,刘凡值,朱文华,

申 刚,张正学,王 健

1387 杂交水稻在自然高温胁迫下的耐热性研究

苏 鹏,冯 慧,陈 浩,杨成明,

吴孝波,黄 强

1392 甘蓝型油菜不同发育时期光合日变化和环境因子之间的关系

赵小光,张耀文,田建华,王竹云,

陈文杰,陈 娜,李殿荣

1398 湿害胁迫下硒对油菜出苗率及叶绿素含量的影响

殷丽琴,钟 成,陈 伟,杨 亮,

牛应泽

1402 江华苦茶资源基本生化成分的季节变化分析

杨 春,冉立群,王 庆,王汉超,

陈涛林,罗军武

1406 干旱胁迫对大豆幼苗期抗逆性的影响

李方安,孙 敏,张利霞,易小艳

廖 虹,郭华春,刘 艳

1410 云南省马铃薯品种(系)块茎营养品质评价

姚春馨,丁玉梅,周晓罡,董禄凤,

孙茂林,罗利军

1416 水分胁迫下马铃薯抗旱相关表型性状的分析

郑顺林,张 仪,李世林,李德林,

李文光,王晓琴,郭刚金,袁继超

聂书明,杜中平,徐海勤

1420 不同海拔高度对紫色马铃薯产量、品质及花青素含量的影响

周 芳,刘恩世,孙海彦,赵平娟,

黎娟华,彭 明

1424 不同基质配方对番茄生育期植株生长特性和光合特性的影响

1428 水分胁迫对干旱锻炼后木薯叶片内脱落酸、脯氨酸及可溶性糖

含量的影响

- 1434 不同有机物料对香梨膨果期光合特性的影响 柴仲平,王雪梅,陈波浪,孙霞,
盛建东
- 1440 默科特橘橙不同叶位叶片的光合特性 罗燕,樊卫国
- 1444 TIBs 和传统培养方式培养的甘蔗脱毒苗生理生化指标比较 刘丽敏,吴凯朝,余坤兴,刘俊仙,
刘红坚,周珊,谈明,卢曼曼,
杨柳,游建华,李松
- 1448 $\text{CaCl}_2 + \text{ASA}$ 对菊花形态与生理调控作用的研究 刘萍,乔裕龙,丁义峰,邵晓琪,
刘旭丹,张妍,刘骨挺,张怡青
邬秀宏,杨娟,李中林,朱学栋,
钟应富,袁林颖,邓敏,张莹,
姚永红
- 1454 不同激素配比对‘渝茶 1 号’继代增殖生长的影响 胡留杰,彭予咸,徐泽,邓敏,
谢堃,皮利
- 1459 植物生长调节剂对茶新梢叶绿素荧光参数日变化的影响 唐敏,侯渝嘉,黄尚俊,邬秀宏,
胡翔
- 1463 不同茶树品种(系)叶绿素荧光特性比较 柴家荣,雷丽萍,汪安云,夏振远,
子宏伟,管仕军
- 1468 不同品种白肋烟叶绿体色素及相关致香物差异研究 王瑞云,赵晓丹,杨兴有,蒋启免,
斯冬梅,鲁喜梅,史宏志,宋莹丽
- 1472 四川白肋烟中性香气物质含量分析 李大军,宋丹丹
- 1479 曲霉多糖的提取及其抑菌活性研究 鄂伟,张启迪,王君玮,曲志娜,
赵思俊,邹明

植物保护·土壤肥料

- 1490 七星瓢虫抗药性与羧酸酯酶及乙酰胆碱酯酶的关系 金剑雪,李凤良,程英
- 1493 四川短尾鼩的种群数量动态及繁殖特征变化 杨再学,龙贵兴,金星,郭永旺,
刘晋
- 1498 番茄黄化曲叶病毒抗病基因的分子鉴定与分析 刘栋,张延安,化娟莉
- 1503 一氧化氮对拟南芥抗灰葡萄孢菌分泌的大分子毒素毒性的影响 杨红玉,夏绍蝶,吴嘉,杨黎江,
侯思名

1507	桃园节肢动物群落结构的时空动态	张红梅,仇明华,陈福寿,王燕, 李向永,杨艳鲜,陶耀明,陈宗麒
1513	藿香叶斑病病原鉴定及生物学特性研究	李林玉,杨海艳,王馨,杨斌, 董志渊,杨丽英,李绍平
1518	江苏金坛茶园秋季主要杂草发生危害调查研究	李粉华,孙国俊,季敏,张海艳, 韩敏,袁方,邱淑芬,张留斌
1524	不同药剂处理对橡胶树死皮和产量的影响	袁坤,谢贵水,杨礼富,李建辉, 王真辉
1527	不同时期施氮对功能型水稻产量及籽粒功能成分的影响	杨树明,杨慧,赵旭,曾亚文, 杜娟,普晓英,杨涛
1532	土施和喷施硅肥对镉污染农田水稻不同部位镉含量 及富集的影响	黄崇玲,雷静,顾明华,窦飞, 蒋雄英,谭力
1536	都东郊稻田土中砷形态垂直分布特征和生物有效性研究	郎春燕,龚仓,母章
1541	容重对玉米植株养分吸收的影响	郑存德,程岩
1546	优化施肥效应模型对山银花产量和品质的影响	张建海,冯彬彬,徐晓玉,姚永红
1553	土壤含水量对蝠蛾幼虫僵化及子座萌发生长的影响	张德利,贺宗毅,鲁增辉,刘飞, 涂永勤,陈仕江
1557	烤烟农艺和经济性状与移栽期和氮肥关系的研究	谢志坚,涂书新,唐徐红,李进平, 徐昌旭,章建其,曾敏
1561	不同施氮量对植烟土壤理化特性和酶活性的影响	牛静,甄安忠,葛生珍,郑海凤, 陈波,何文高,宗学凤,吕俊,
1567	会东烟区土壤养分状况综合评价	马浩,李钠钾,王三根
1572	甘蔗种植体系水土及氮磷养分流失研究	陈玉蓝,王昌全,刘朝科,杜倩
1578	不同农艺措施对土壤有机质组分和氮素流失风险的影响	谢如林,谭宏伟,周柳强,黄金生, 黄美福,黄献华,董文斌,王磊
1585	蚕沙堆肥中纤维素降解菌群分离及产酶条件的研究	申军强,刘宏斌,胡万里,瞿丽梅, 雷宝坤
		岑贞陆,梅友,张长青,胡春锦

园艺·农业工程·食品加工

1589	杏鲍菇培养料中细菌系统发育多样性	关统伟,赵辉平,骆玉林,向文良, 车振明
1593	金针菇菌株遗传多样性的 ISSR 分析	王波,鲜灵

- 1600 不同贮藏温度对白皮洋葱鳞茎品质的影响 潘天春,单成海
- 1604 拮抗菌与有机肥配合防治黄瓜连作障碍及提高黄瓜品质研究 吴洪生,周晓冬,闫 霜,刘小雪,
王增辉,孔祥云,刘正柱
- 1608 成龄期枣树根系空间分布规律研究 李 宏,郭光华,郑朝晖,杨婵婵,
王真真,张志刚
- 1614 紫红龙火龙果及其大果型芽变系的 ISSR 分析 王 彬,郑 伟,宋 莎,李兴忠,
蔡永强
- 1618 纳他霉素复配制剂在锦橙采后保鲜上的应用研究 刁 源,张 超,唐偲雨,张迎君,
曾顺德
- 1622 野生黄花蒿抗氧化成分与植株养分的相关性分析 罗世琼,林爱兰,姚永红
- 1627 矮牵牛 *Tyl-copia* 类逆转座子逆转录酶序列的克隆与分析 魏 跃,颜志明,吴志明,江 虹,
张蜀宁
- 1633 中甸刺玫(*Rosa praelucens* Byhouwer)引种驯化研究 李树发,蔡艳飞,蹇洪英,晏慧君,
唐开学
- 1639 非洲菊未受精胚珠离体培养影响因素研究 王丽花,瞿素萍,吴学尉,杨秀梅,
唐开学,张艺萍
- 1645 中国兰遗传多样性的 SRAP 分析 蒋 或,何俊蓉,刘 菲,王海娥,
卓碧萍,唐可玲
- 1649 梁山慈竹结构调整研究 刘广路,范少辉,苏文会,蔡春菊,
张大鹏
- 1654 西南丘陵山地油菜机播机收的试验研究 姜心禄,易 靖,郑家国,苏音贵,
池忠志,李旭毅,李 杰
- 1660 微波技术在针形绿名茶加工中的应用研究 袁林颖,钟应富,马 强,邬秀宏,
张 莹,邓 敏,杨 娟,敬廷桃
- 1665 湖南晒黄烟在卷烟配方中的应用研究 欧阳文,张 强,胡红斌,王晶晶,
王浩雅
- 1670 Folin-Ciocalteu 比色法测定核桃仁多酚含量 李淑芳,范志远,杨建华,藩 莉,
赵廷松,刘 娇,石桌功
- 1674 毛细管柱气相色谱外标法测定白酒中的醇类和己酸乙酯 姚 晶,王海瑞,姚丽萍
- 1677 3 个品种鸭肉排酸成熟后的氨基酸组成比较及评价 谢程炜,诸永志,王道营,刘 芳,
徐为民

畜牧·兽医·水产·蚕

- 1682 小花棘豆中毒对家兔血常规参数的影响 王 帅,陈根元,张 玲,吴书奇,
胡建军,马春晖
- 1691 不同生理状态及激素量对小鼠超数排卵及后续胚胎发育
的影响研究 许惠艳,王塑天,杨巧蓉,杨小淦,
卢克焕
- 1695 中药蛇附子注射液鸡胚接种抗伪狂犬病病毒的研究 陈前岭
- 1699 一种适用于太平洋牡蛎高多态基因组单核苷酸突变验证
的两步式高分辨率熔解曲线方法 王家丰,齐海刚,李 莉,张国范
- 1705 不同降温速度下吉富品系尼罗罗非鱼耐寒性能的研究 曾 兰,林 勇,张永德,杨慧赞,
卢其西,陆勤娟,李坤媛,蓝宝同,
唐启明
- 1710 达氏鲟全人工繁殖技术研究 龚 全,刘 亚,杜 军,赵 刚,
陈先均,李 军,李 强,李 禾,
凡 磊
- 1715 引进育成高品质茧丝蚕品种蜀绣×渝春生产性能测定 张友洪,周安莲,肖文福,肖金树,
沈以红,李 兵

综 述

- 1722 飞蝗起源及其亚种分化 黄复生,刘举鹏,王祖望,王保海,
沈 慧,王文峰,张亚玲
- 1726 甘蔗粉蚧研究进展 袁振强,韦金菊,黄伟华,邓展云
- 1733 根肿病的研究进展 李 壮,牛应泽,吴永成,郭世星

简 报

- 1738 1.5%苦参碱可溶剂防治黄瓜、豇豆、茄子蚜虫效果研究 王朝斌,夏丽娟,赵 霞,郑仕军
- 1741 不同施肥方式对马铃薯生长及产量的影响 田再民,杨立军,冯 球,龚学臣,
张红杰,李林鑫
- 1744 抗猪大肠杆菌病中药的筛选和效果研究 方向红,王永娟

SOUTHWEST CHINA JOURNAL OF AGRICULTURAL SCIENCES

Vol. 26 No. 4 2013

Contents

CROP GENETICS & BREEDING · GERMPLASM RESOURCES

- 1301 Analysis of *Indica-japonica* Classification in Rice Derived Lines and Division Standard in DNA Level YANG Wang-xing, XU Xu-ming, QI Jian-min, ZHUO Wei, ZHANG Shou-gang, MA Bin-lin, WEI Xin-yu, ZOU Wen-guang
- 1308 Preliminary Study on Restorability of Red Rice in Rice-growing Regions of Guizhou SHI Bang-zhi, SUN Can-hui, CHEN Wen-qiang, ZHOU Le-liang, WU Xiang, ZHANG Shang-du
- 1312 Analysis on Yield Components of Wheat Cultivar Ningmai 16 YAO Jin-bao, MA Hong-xiang, YAO Guo-cai, YANG Xue-ming, ZHANG Peng, ZHOU Miao-ping, ZHANG Ping-ping
- 1316 Study on Division of Heterosis Group, Correlation and Path Analysis of Major Characters of Several Maize Germplasm QI Zhi-yun, YANG Hua, LI Shu-jun, QIU Zheng-gao, ZHANG Ya-qin, YUAN Liang, JIN Chuan
- 1322 QTL Mapping for Plant Height of Maize (*Zea mays L.*) Using Closed Triangle Cross Populations SU Shun-zong, ZHANG Xiao, WU Ling, LIU Dan
- 1327 GISH Analysis of Intergeneric F₁ Hybrids between *Saccharum officinarum* and *Erianthus rockii* LIN Xiu-qin, LU Xin, MAO Jun, LIU Xin-long, SU Huo-sheng, CAI Qing
- 1332 Identification of New Tea Variety Tezao213 and Fuxuan 9 by RAPD and ISSR Markers WANG Xiao-ping, LI Chun-hua, MA Wei, WANG Yun
- 1337 Breeding of New Tea Variety of 'Yunkang 47' in Yunnan Province XU Pei-zhong, WANG Jia-jin, TIAN Yi-ping, ZHOU Meng, SUN XUE-mei, LI You-yong, LIU Ben-ying
- 1344 Comparative Study on Fluoride Content Change in Different Tea Varieties in Yunnan Province LI You-yong, WANG Jia-jin, LIANG Ming-zhi, LIU Ben-ying, TIAN Yi-ping, SUN Xue-mei, BAO Yun-xiu, XU Pi-zhong, JIANG Hui-bing, ZHOU Meng
- 1348 Variation Analysis on Growth Traits of Seedlings from Three Full-sib Families of *Hevea brasiliensis* YU Wen-cai, NING Lian-yun, LIU Zhong-liang, XU Yan-guo, HE Li-gang
- 1352 Study on Botanical Characters and Tissue Parameters of Flue-cured Tobacco Leaves with Different Maturity YE Wei-min, LI Xu-hua, LU Ye, ZHANG Xiao-long, ZHENG Wu, DENG Guo-bin
- 1356 Investigation of Factors Controlling Smoking Quality of Flue-cured Tobacco Using CART Models XU An-ding, DU Guo-wei, LIU Hong-bin
- 1362 Study on Adaptability of Introduced New Flue-cured Tobacco Varieties NC297 in Henan Province LI Xue-jun, DING Yan-fang, SUN Ji-ping, SUN Huan, LI Fu-xin, CAO Xiao-tao

TILLAGE & CULTIVATION · PHYSIOLOGY

- 1367 Study on Suitable Field Collocation Patterns of Rice High Yield Cultivation in Chongqing Area
YAO Xiong, TANG Yong-qun, WEN Ming, GAN Xing-you, LIU Dai-jie, YANG Guang-rong, ZHANG Xian-wei, LI Jing-yong
- 1372 Establishment of Leaf Age Model of Rice Varieties at Different Altitude Environments in Yunnan Province, China
YANG Cong-dang, LI Gang-hua, LI Gui-yong, XIA Qiong-mei, DENG An-feng, WANG Shao-hua, LIU Zheng-hui, LIN Qi-hong, DING Yan-feng
- 1378 Origin Analysis of Tobacco-sweet Potato Successive Cropping In Hezhou
SHEN Fang-ke, YI Fen-yuan, SHOU An-fa, TANG Xin-lian, SHI Bao-feng, LI Feng, XU Ting, GU Ming-hua, SHOU Ru-fang
- 1383 Agronomic Characters and Optimization Cultivation Techique of 12 Sugarcane Varieties (Lines) with High Sugar Content and High Yield in Guizhou
ZHOU Zheng-bang, ZHOU Na-na, LIU Fan-zhi, ZHU Wen-hua, SHEN Gang, ZHANG Zheng-xue, WANG Jian
- 1387 Influences of Natural High-temperature Stress on Heat Resistance of Rice
SU Peng, FENG Hui, CHEN Hao, YANG Cheng-ming, WU Xiao-bo, HUANG Qiang
- 1392 Study on Daily Change of Photosynthesis and Environment Factors in Different Development Stages of *Brassica napus*
ZHAO Xiao-guang, ZHANG Yao-wen, TIAN Jian-hua, WANG Zhu-yun, CHEN Wen-jie, CHEN Na, LI Dian-rong
- 1398 Effects of Selenium on Seedling Emergence and Chlorophyll Content of *Brassica napus* L. under Waterlogging Stress
YIN Li-qin, ZHONG Cheng, CHEN Wei, YANG Liang, NIU Ying-ze
- 1402 Analysis of Seasonal Variation of Basic Biochemical Composition of *Camellia sinensis* var. *assamica* cv. Jianghua
YANG Chun, RAN Li-qun, WANG Qing, WANG Han-chao, CHEN Tao-lin, LUO Jun-wu
- 1406 Effects of Drought on Stress-Resistance Characteristics of Soybean Seedlings
LI Fang-an, SUN Xin, ZHANG Li-xia, YI Xiao-yan,
- 1410 Nutritional Quality Assessment of Potato Cultivars in Yunnan Province
LIAO Hong, GUO Hua-chun, LIU Yan
- 1416 Analysis on Phenotypic Trait of Drought Resistance of Potato under Moisture Starvation
YAO Chun-xin, DING Yu-mei, ZHOU Xiao-gang, DONG Lu-feng, SUN Mao-lin, LUO Li-jun
- 1420 Effects of Different Altitudes on Yield, Quality and Anthocyanin Content of Purple Potato (*Solanum tuberosum* L.)
ZHENG Shun-lin, ZHANG Yi, LI Shi-lin, LI De-lin, LI Wen-guang, WANG Xiao-qin, GUO Gang-jin, YUAN Ji-chao
- 1424 Effects of Different Substrate Formulas on Growth Characters and Photosynthetic Characteristics of Tomato Growth Period
NIE Shu-ming, DU Zhong-ping, XU Hai-qin
- 1428 Research on Content Changes of Abscisic Acid, Proline and Soluble Sugar in Cassava Leaves after Drought Hardening
ZHOU Fang, LIU En-shi, SUN Hai-yan, ZHAO Ping-juan, LI Juan-hua, PENG Ming
- 1434 Effect on Photosynthetic Characteristics of Kora Fragrant Pear in Fruit Enlargement Stage under Different Organic Materials
CHAI Zhong-ping, WANG Xue-mei, CHEN Bo-lang, SUN Xia, SHENG Jian-dong
- 1440 Photosynthetic Characteristics of Different Position Leaves in Murcott
LUO Yan, FAN Wei-guo

- 1444 Comparison of Several Physiological and Biochemical Parameters in Virus-free Sugarcane Seedlings Produced by TIBs and Traditional Tissue Culture Methods
LIU Li-min, WU Kai-chao, YU Kun-xing, LIU Jun-xian, LIU Hong-jian, ZHOU Shan, DAN Ming, LU Man-man, YANG Liu, YOU Jian-hua, LI Song
- 1448 Effects of CaCl₂ and ASA on Morphology and Physiological Regulation in Chrysanthemum
LIU Ping, QIAO Yu-long, DING Yi-feng, SHAO Xiao-qi, LIU Xu-dan, ZHANG Yan, LIU Gu-ting, ZHANG Yi-qing
- 1454 Effect of Different Hormone Combination on Subculture Proliferation and Growth of 'Yu Cha No. 1'
WU Xiu-hong, YANG Juan, LI Zhong-lin, ZHU Xue-dong, ZHONG Ying-fu, YUAN Lin-ying, DENG Min, ZHANG Ying, YAO Yong-hong
- 1459 Effects of Plant Growth Regulators on Daily Change of Chlorophyll Fluorescence of Tea Shoots
HU Liu-jie, PENG Yu-xian, XU Ze, DENG Min, XIE Kun, PI Li
- 1463 Study on Difference of Photosynthetic Characteristic of Different Tea-plants Varieties or Strains
TANG Min, HOU Yu-jia, HUANG Shang-jun, WU Xiu-hong, HU Xiang
- 1468 Study on Burley Tobacco Chloroplast Pigments and Aroma Matter of Different Varieties
CHAI Jia-rong, LEI Li-ping, WANG An-yun, XIA Zhen-yuan, ZI Hong-wei, GUAN Shi-jun
- 1472 Analysis on Content of Neutral Aroma Components of Sichuan Burley Tobacco
WANG Rui-yun, ZHAO Xiao-dan, YANG Xing-you, JIANG Qi-ya, JIN Dong-mei, LU Xi-me, SHI Hong-zhi, SONG Ying-li
- 1479 Aspergillus Polysaccharides Extraction and Antimicrobial Activity
LI Da-jun, SONG Dan-dan
- 1486 Determination of Content of Decoquinate in Chitosan-Alginate Microcapsules by HPLC
E Wei, ZHANG Qi-di, WANG Jun-wei, QU Zhi-na, ZHAO Si-jun, ZOU Ming

PLANT PROTECTION · SOIL FERTILIZER

- 1490 Relationship of Resistance to Imidacloprid Versus CarE and AchE of *Coccinella septempunctata*
JIN Jian-xue, LI Feng-liang, CHENG Ying
- 1493 Fluctuation Law of Population Quantity and Reproduction Characteristics of *Anourasorex squamipes*
YANG Zai-xue, LONG Gui-xing, JIN Xing, GUO Yong-wang, LIU Jin
- 1498 Molecular Identification and Analysis of Resistant Gene to Tomato Yellow Leaf Curl Virus
LIU Zhen, ZHANG Yan-an, HUA Juan-li
- 1503 Effects of Nitric Oxide on Resistance of *Arabidopsis* to Macromolecular Toxins from *Botrytis cinerea*
YANG Hong-yu, XIA Shao-lei, WU Jia, YANG Li-jiang, HOU Si-min
- 1507 Space-time Dynamic Research on Arthropod Community Structure in Peach Orchard
ZHANG Hong-mei, QIU Ming-hua, CHEN Fu-shou, WANG Yan, LI Xiang-yong, YANG Yan-xian, TAO Yao-ming, CHEN Zong-qi
- 1513 Study on Pathogen Identification and Biological Characteristics of Leaf Spot of *Pogostemon cabli*
LI Lin-yu, YANG Hai-yan, WANG Xin, YANG Bin, DONG Zhi-yuan, YANG Li-ying, LI Shao-ping

- 1518 Investigation of Occurrence and Hazards of Main Weeds in Autumn in Jin-tan Tea Garden in Jiangsu Province LI Fen-hua, SUN Guo-jun, JI Min, ZHANG Hai-yan, HAN Min, YUAN Fang, QIU Shu-fen, ZHANG Liu-bin
- 1524 Effect of Different Medicaments on Tapping Panel Dryness (TPD) and Yield in *Hevea brasiliensis* YUAN Kun, XIE Gui-shui, YANG Li-fu, LI Jian-hui, WANG Zhen-hui
- 1527 Effects of Various Nitrogen Application Stage on Grain Yield and Functional Components of Rice YANG Shu-ming, YANG Hui, ZHAO Xu, ZENG Ya-wen, DU Juan, PU Xiao-ying, YANG Tao
- 1532 Effects of Soil and Foliar Applications of Silicon Fertilizer on Cd Content and Its Bioconcentration Factors in Different Parts of Rice Growing in Cadmium Contaminated Soil HUANG Chong-ling, LEI Jing, GU Ming-hua, DOU Fei, JIANG Xiong-ying, TAN Li
- 1536 Vertical Distribution and Bioavailability of Arsenic Speciation in Paddy Soils from East Suburb of Chengdu, China LANG Chun-yan, GONG Cang, MU Zhang
- 1541 Effect of Soil Bulk Density on Nourishment Absorption of Maize ZHENG Cun-de, CHENG Yan
- 1546 Optimum Effect Model of Fertilizer Impact on Yield and Quality of *Lonicerae Flos* ZHANG Jian-hai, FENG Bin-bin, XU Xiao-yu, YAO Yong-hong
- 1553 Effects of Soil Moistures on Muscardine Cadavers of Hepialus Larvae and Germination and Growth of Stroma of *Ophiocordyceps sinensis* ZHANG De-li, HE Zong-yi, LU Zeng-hui, LIU Fei, TU Yong-qin, CHEN Shi-jiang
- 1557 Study on Relationship between Transplanting Date & N Fertilizer and Agronomic & Economic Characters of Flue-cured Tobacco (FCT) Plants XIE Zhi-jian, TU Shu-xin, TANG Xu-hong, LI Jin-ping, XU Chang-xu, ZHANG Jian-qi, ZENG Min
- 1561 Effects of Different Nitrogen Fertilizer Application Rate on Planting Tobacco Soil Physico-chemical Properties and Enzyme Activities NIU Jing, ZHEN An-zhong, GE Sheng-zhen, ZHENG Hai-feng, CHEN Bo, HE Wen-gao, ZONG Xue-feng, LV Jun, MA Hao, LI Na-jia, WANG San-gen
- 1567 Comprehensive Evaluation of Soil Fertility in Sichuan's Huidong Tobacco-Growing Areas CHEN Yu-lan, WANG Chang-quan, LIU Chao-ke, DU Qian
- 1572 Water, Soil, Nitrogen and Phosphorus Losses from Surface Runoff in Sugarcane Cropping System XIE Ru-lin, TAN Hong-wei, ZHOU Liu-qiang, HUANG Jin-sheng, HUANG Mei-fu, HUANG Xian-hua, DONG Wen-bin, WANG Lei
- 1578 Effects of Different Agronomic Techniques on Soil Organic Matter Fractions and Risk of Nitrogen Leaching SHEN Jun-qiang, LIU Hong-bin, HU Wan-li, ZHAI Li-mei, LEI Bao-kun
- 1585 Isolation on Cellulose-decomposing Microorganisms in Silkworm Excrement Compost and Study of Fermentation Conditions CEN Zhen-lu, MEI You, ZHANG Chang-qing, HU Chun-jin

HORTICULTURE · AGRICULTURAL ENGINEERING · FOOD PROCESSING

- 1589 Phylogenetic Diversity of Bacteria from Substrate of Cultivation on *Pleurotus eryngii* GUAN Tong-wei, ZHAO Hui-ping, LUO Yu-lin, XIANG Wen-liang, CHE Zhen-ming
- 1593 Genetic Diversity of *Flammulina velutipes* Strains Revealed by ISSR Analysis WANG Bo, XIAN Ling

1600	Effects of Different Storage Temperature on Quality of White Onion	PAN Tian-chun, SHAN Cheng-hai
1604	Effects of Antagonistic Microbes and Organic Fertilizer Mixtures on Growth and Quality of Cucumber	WU Hong-sheng, ZHOU Xiao-dong, YAN Shuang, LIU Xiao-xue, WANG Zeng-hui, KONG Xiang-yun, LIU Zheng-zhu
1608	Spatial Distribution Characteristics of Roots of Mature-aged <i>Ziziphus</i> Mill.	LI Hong, GUO Guang-hua, ZHENG Zhao-hui, YANG Chan-chan, WANG Zhen-zhen, ZHANG Zhi-gang
1614	Identification of Zihonglong Pitaya and Its Big-fruit Sport Line by ISSR	WANG Bin, ZHENG Wei, SONG Sha, LI Xing-zhong, CAI Yong-qiang
1618	Applied Research of Natamycin Mixture in Jincheng Postharvest Freshness	DIAO Yuan, ZHANG Chao, TANG Si-yu, ZHANG Ying-jun, ZENG Shun-de
1622	Correlation Analysis of Antioxidants and Nutrients from Wild <i>Artemisia annua</i> L.	LUO Shi-qiong, LIN Ai-lan, YAO Yong-hong
1627	Cloning and Analysis of Reverse Transcriptase of Ty1-copia-like Retrotransposons in Petunia	WEI Yue, YAN Zhi-ming, WU Zhi-ming, JIANG Biao, ZHANG Shu-ning
1633	Study on Introduction and Domestication of <i>Rosa praelucens</i> Byhouwer	LI Shu-fa, CAI Yan-fei, JIAN Hong-ying, YAN Hui-jun, TANG Kai-xue
1639	Study on Factors Affecting Unpollinated Ovules <i>in vitro</i> Culture in <i>Gerbera jamesonii</i> Bolus	WANG Li-hua, QU Su-ping, WU Xue-wei, YANG Xiu-mei, TANG Kai-xue, ZHANG Yi-ping
1645	Genetic Polymorphism Analysis by Sequence-related Amplified Polymorphism in Chinese <i>Cymbidium</i>	JIANG Yu, HE Jun-rong, LIU Fei, WANG Hai-e, ZHUO Bi-ping, TANG Ke-ling
1649	Study on Structural Adjustment of <i>Dendrocalamus farinosus</i> Forest	LIU Guang-lu, FAN Shao-hui, SU Wen-hui, CAI Chun-ju, ZHANG Da-peng
1654	Experimental Research of Mechanical Seeding and Harvest for Rape in Hilly Area of Southwest China	JIANG Xin-lu, YI Jing, ZHENG Jia-guo, SU Yin-gui, CHI Zhong-zhi, LI Xu-yi, LI Jie
1660	Application Study of Microwave Technology on Straight Famous Green Tea Processing	YUAN Lin-ying, ZHONG Ying-fu, MA Qiang, WU Xiu-hong, ZHANG Ying, DENG Min, YANG Juan, JING Ting-tao
1665	Study on Application of Yellow Sun Curd Tobacco for Cigarette	OUYANG Wen, ZHANG Qiang, HU Hong-bin, WANG Jing-jing, WANG Hao-ya
1670	Folin-Ciocalteu Colorimetric Determination of Total Polyphenols Content in Walnut Kernel	LI Shu-fang, FAN Zhi-yuan, YANG Jian-hua, PAN Li, ZHAO Ting-song, LIU Jiao, SHI Zhuo-gong
1674	Capillary Column Gas Chromatography Determination of Alcohols and Ethyl Caproate in Distilled Spirit with External Standard Method	YAO Jing, WANG Hai-rui, YAO Li-ping

- 1677 Amino Acid Composition and Evaluation of Three Species of Ducks after Postmortem Aging XIE Cheng-wei, ZHU Yong-zhi, WANG Dao-ying, LIU Fang, XU Wei-min

ANIMAL SCIENCE · VETERINARY SCIENCE · FISHERY · SILKWORM

- 1682 Effects of *Oxytropis glabra* DC Poisoning on Blood Prescription of Rabbits WANG Shuai, CHEN Gen-yuan, ZHANG Ling, WU Shu-qi, HU Jian-jun, MA Chun-hui
- 1691 Research of Mice Superovulation and Subsequent Embryonic Development at Different Physiological Condition and Hormone Doses XU Hui-yan, WANG Su-tian, YANG Qiao-rong, YANG Xi-ao-gan, LU Ke-huan
- 1695 Study on Injection Liquid of Hemley Rockvine Root against Pseudorabies Virus in Chicken Embryo CHEN Qian-ling
- 1699 Two-step High-resolution Melting Method for SNP validation in the Highly Polymorphic *Crassostrea gigas* Genome WANG Jia-feng, QI Hai-gang, LI Li, ZHANG Guo-fan
- 1705 Study on the Cold Tolerance Capability of CIFT Tilapia Treated with Different Temperature-decreased Speeds ZENG Lan, LIN Yong, ZHANG Yong-de, YANG Hui-zan, LU Qi-xi, LU Qin-juan, LI Kun-yuan, LAN Bao-tong, TANG Qi-ming
- 1710 Study on Artificial Reproduction of Cultured *Acipenser dabryanus* Dumeril GONG Quan, LIU Ya, DU Jun, ZHAO Gang, CHEN Xian-jun, LI Jun, LI Qiang, LI He, FAN Lei
- 1715 Productive Performance of a New Silkworm Variety Shuxiu × Yuchun with Fine Silk Quality ZHANG You-Hong, ZHOU An-Lian, XIAO Wen-fu, XIAO Jin-Shu, SHEN Yi-hong, LI Bing

REVIEWS

- 1722 Origin and Subspecies Differentiation of Migratory Locust HUANG Fu-sheng, LIU Ju-peng, WANG Zu-wang, WANG Bao-hai, SHEN Hui, WANG Wen-feng, ZHANG Ya-ling
- 1726 Study on Advances of Sugarcane Mealybugs QIN Zhen-qiang, WEI Jin-ju, HUANG Wei-hua, DENG Zhan-yun
- 1733 Research Advances in Clubroot Disease LI Zhuang, NIU Ying-ze, WU Yong-cheng, GUO Shi-xing

RESEARCH NOTES

- 1738 Control Efficacy of 1.5 % Matrine SL against Aphids in Cucumber, Cowpea and Eggplant WANG Chao-bin, XIA Li-juan, ZHAO Xia, ZHENG Shi-jun
- 1741 Effects of Different Fertilization Methods on Growth and Yield of Potato TIAN Zai-min, YANG Li-jun, FENG Yan, CONG Xue-chen, ZHANG Hong-jie, LI Lin-xin
- 1744 Screening and Application of Traditional Chinese Medicine for Swine *Escherichia coli* Disease FANG Xiang-hong, WANG Yong-juan