



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

2014  
276

第27卷 第6期 (卷终)

Vol.27 No.6

《西南农业学报》编辑委员会

ISSN 1001-4829



9 771001 482034

万方数据

## 目次

### 作物遗传育种·种质资源

- 2259 4种大戟科植物 *HMCS* 基因家族的全基因组鉴定与分析 邹智, 谢贵水, 莫业勇, 安锋, 杨礼富
- 2267 橡胶树捕光叶绿素结合蛋白基因 *Lhcb2.2* 的克隆与分析 刘建汀, 谢贵水, 莫业勇, 杨礼富, 邹智
- 2272 香型软米恢复系“文恢247”选育与利用研究 李存龙, 罗龙, 杨芬, 韦永贵, 陶永宏, 董卓娅, 刘娜
- 2278 穗发芽相关基因 *Vp-1* 等位变异在西部春小麦品种中的分布研究初探 刘莉, 沈迎芳, 马超, 刘德梅, 王海庆, 陈志国
- 2282 利用灰色关联度分析云南田麦新品系产量和产量构成因素 黄锦, 程加省, 王志伟, 乔祥梅, 杨金华, 程耿, 胡银星, 谭泽林, 李菊湘, 于亚雄
- 2286 玉米自交系南方锈病抗性配合力及遗传参数分析 吴永升, 邹成林, 黄爱花, 郑德波, 谭华, 韦新兴, 莫润秀, 黄开健, 莫芳华
- 2290 甘蓝型油菜核心 SSR 引物筛选及指纹图谱构建 赖运平, 王丽容, 何巧林, 张浙峰, 张新明, 堵苑苑, 余毅
- 2300 不同糯性高粱光合物质积累特点及源库关系分析 王艳秋, 邹剑秋, 张飞, 张志鹏, 朱凯

### 耕作栽培·生理生化

- 2305 玉米/大豆间作中大豆根系生长及氮磷养分吸收的特点 尹元萍, 张雅琼, 申毓哈, 赵志勇, 谢世清, 杨生超, 梁泉
- 2311 广西冬种马铃薯种植布局对气候变暖的响应 廖雪萍, 梁骏, 黄梅丽, 李政, 史彩霞, 杜裕
- 2316 间作木薯对花生叶片碳氮代谢产物及关键酶活性的影响 唐秀梅, 钟瑞春, 揭红科, 蒋菁, 熊发前, 黄志鹏, 贺梁琼, 李忠, 韩柱强, 唐荣华
- 2322 不同栽培密度对迷迭香生长指标及生物量的影响 高洁, 高政, 吴疆, 张燕平
- 2327 *OsLEA2* 对乳酸脱氢酶的保护分析 胡廷章, 黄小云, 杨俊年, 陈再刚
- 2331 烘干温度与时间对不同收获期下水稻种子含水量和活力的影响及相关分析 陈新红, 张安存, 韩正光, 吕宏飞, 叶玉秀, 周青
- 2339 烯效唑浸种对玉米种子萌发及幼苗生长的影响 廖尔华, 丁丽, 罗延宏, 孔凡磊, 袁继超
- 2345 低温胁迫下结球白菜的光合及叶绿素荧光特性 彭剑涛, 赵大芹, 王天文, 周秋菊, 李桂莲
- 2349 桃甜菜碱脱氢酶基因的克隆及表达分析 孙淑霞, 陈栋, 李靖, 涂美艳, 江国良
- 2354 钙对盐胁迫下巴西蕉幼苗膜脂过氧化和抗氧化酶的影响 周双云, 蒋晶, 高龙燕, 王令霞, 李绍鹏, 李新国
- 2360 一朵云不同部位氨基酸的分析与评价 张鸭关, 赵红艳, 刘品华, 汪帆

### 植物保护·土壤肥料

- 2365 不同省份水稻品种抗黑条矮缩病鉴定与评价 王宝祥, 宋兆强, 刘金波, 卢百关, 周振玲, 樊继伟, 秦德荣, 徐大勇
- 2370 砷胁迫对丛枝菌根接种玉米叶片蛋白表达谱的影响 周权男, 杨礼富, 王真辉
- 2374 轮枝镰孢菌的绿色荧光蛋白基因标记 张小飞, 李晓, 崔丽娜, 邹成佳, 彭云良, 杨晓蓉
- 2377 针毛鼠种群年龄鉴定的胴体重划分标准 杨再学, 金星, 郭永旺, 郑元利, 雷邦海, 秦治勇
- 2381 马铃薯块茎蛾对几种茄科植物的嗜食性研究 郭志祥, 何成兴, 许胡兰, 温丽娜, 钱钧瑞, 浦恩堂, 吴文伟
- 2385 几种新疆加工型辣椒种子病毒的检测和鉴定 张强, 罗明, 李克梅, 张春竹, 楚金平, 马建江
- 2393 氮素对番茄根系分泌物刺激瓜列当种子萌发的调节 支金虎, 吴静, 王德胜
- 2398 广西南瓜疫病的病原分离与鉴定 程亮, 温国泉, 吴永官, 车江旅, 付岗, 蒋雅琴, 黎炎
- 2402 阴香内生细菌 YX6 的鉴定及对香蕉炭疽病的防效 柳志强, 郑媛, 吴亚腾, 李晓宇

- 2405 植物病原根结线虫的染色方法研究 李勇军,李宏光,E. Schliephake,H. Budahn,朋金娥,刘春明,张绍松
- 2413 烟草灰霉病菌生防细菌菌株 Y11 和 Y141 的鉴定及其生防机制初探 李悦,陈永珍,周荣金,黎起秦,林伟,袁高庆
- 2419 14 种磺酰脲类除草剂对蔗田香附子的防效及安全性评价 马永林,覃建林,马跃峰,郭成林,王彦辉
- 2423 茶树新害螨——柑橘始叶螨研究 王晓庆,冉烈,彭萍,段小凤
- 2428 长期施肥对黄壤性水稻土耕层有机碳平衡特征的影响 李渝,罗龙皂,何昀昆,张文安,蒋太明
- 2432 施氮量对宜春系列杂交稻组合产量形成及氮肥利用率的影响 江青山,蒋鹏,陈家彬,姜方洪,赵德明,王峰,廖宗永,林纲
- 2440 在盐胁迫下超声波处理对籼稻种子萌发的影响 李妹娟,唐湘如,聂俊,潘圣刚,段美洋,严卓晟,田华
- 2444 不同氮素形态对小麦体内氮磷钾分布及群体结构和产量的影响 薛延丰,汪敬恒,李恒
- 2449 土壤质地对青霉菌灭活菌丝体制剂诱导烤烟抗逆能力的影响 端永明,张廷金,徐兴阳,方荣启,杨宗云,王建光,李秀军,陈穗云
- 2455 氮营养对秋马铃薯块茎发育中淀粉积累的影响 李佩华
- 2460 硅肥对甘蔗的生长、产量和品质的影响 蒋雄英,陈桂芬,尹辉,杨曙,顾明华,黎晓峰
- 2465 不同区域沉香和龙眼土壤养分的比较分析 王士泉,南亚宁
- 2469 应用 PCR-RFLP 技术分析橡胶林土壤真菌种群动态变化 宋凤雅,梁鹏,何其光,高青,宋洁,缪卫国,郑服丛
- 2478 基于被动微波遥感和 BP 神经网络的土壤水分反演研究——以川中丘陵区为例 徐小逊,张萍,徐精文,黄飞,宁黎
- 2485 不同作物、土壤类型和灌溉方式对沼液消纳能力的影响 翟逸,李平,韦秀丽,高立洪
- 2489 青海省黄河谷地拉西瓦片区新增地土壤质量评价研究 张洋,张荣,孙小凤

## 园艺·农业生态环境·食品加工

- 2497 暗褐网柄牛肝菌人工、半人工与野生子实体营养成分对比 张春霞,何明霞,刘静,曹旻,王文兵,王云
- 2501 重铬酸钾对豌豆根尖细胞的遗传毒性研究 李雪,张鸣,朱彦荣,常国华,高天鹏
- 2506 响应面法优化金针菇配方及制袋期试验 贾定洪,苗人云,彭卫红,王勇,姜邻,唐利民,王波,甘炳成,黄忠乾
- 2511 RNAi 介导的转基因番茄抗 TYLCV 研究 杨玛丽,彭宏,陈天子,张保龙,赵统敏,余文贵,赵丽萍
- 2517 新疆加工番茄自交系产量与主要农艺性状关系的研究 王亮,李艳,刘志刚,王建江
- 2524 红富士苹果短枝型芽变新种质的形态学性状及其 ISSR 鉴定 吴亚维,宋莎,郑伟,杨华,韩秀梅,马玉华
- 2529 火龙果两步成苗组培快繁技术研究 彭绿春,瞿素萍,苏艳,张艺萍,王丽花
- 2534 草莓表面农药残留检测及其对微生物群落影响 魏超,郭灵安,胡莉,代晓航,毛建霏
- 2539 蓝莓组织培养过程中玻璃化现象的防止技术研究 毕云,苏艳,张艺萍,王继华,瞿素萍,刘仙
- 2543 日本蓝莓品种在 2 种育苗形式中生长表现 王贺春
- 2548 30 个百合品种和 2 个野生百合的花粉生活力及其贮藏条件研究 张艺萍,瞿素萍,吴丽芳,王祥宁,崔光芬,夏晶,张世梅,郭树华,王继华
- 2554 不同条件下三七叶绿体超微结构的比较 朱素英
- 2559 八个川贝母品种的分类鉴定 苏鹏,胡莉,董品利
- 2564 温度、水分和光照对玛咖种子萌发的影响 尚瑞广,王兵益,徐琰峰
- 2569 金铁锁主要农艺性状与小区产量的相关和通径分析 苏泽春,王泽清,李兆光,和琼姬,汤王外,杨丽云
- 2574 甜菜树 ISSR-PCR 反应体系的建立与优化 吴春妍,杨冠松,张爱丽,申仕康,王跃华
- 2580 漂浮植物对入星云湖河水的净化效应分析 杨绍聪,吕艳玲,沐婵,张艳军,钱荣青,李泉清,李晓亮
- 2586 不同蛋白质与脂肪含量对新型夸克干酪品质的影响 莫落红,吴润博,高红艳,刘振民
- 2594 酶法辅助鸭肝卵磷脂提取的工艺研究 王道营,卞欢,程秋菊,张牧晗,徐为民,刘芳,诸永志,蒋宁,曹建民
- 2600 0724 优质桑叶茶加工关键工艺研究 罗红玉,吴全,钟应富,袁林颖,王万华,袁良军,蒋贵兵,杜英武,秦俭
- 2605 工夫红茶色泽与品质相关性研究 杨娟,袁林颖,钟应富,张莹,罗红玉,李中林

- 2611 黄秋葵泡菜护绿保脆方案和调味配方研究 刁 源,高伦江,尹旭敏,曾顺德
- 2617 烟草试验站土壤养分空间变异性研究 江厚龙,张 均,李钠钾,徐 宸,杨 超,王红锋,耿莉娜,陈益银

## 烟草科学

- 2624 不同栽培模式对烟草耕层土壤碳氮组分含量及其比值的影响 杨双剑,吕 强,熊 瑛,郑 华,许灵杰,杜相革
- 2629 烟叶样品中 18 种氨基酸的微波水解分析方法研究 周 虹,罗 玲,郭灵安,毛建霖,黄世群,顾会战,陈金相
- 2635 烟草 *PHOT2* 基因的克隆及生物信息学分析 乔新荣
- 2639 四川省烤烟氮钾吸收利用规律研究 王明富,成本喜,殷 英,余垚颖,吴 斌,屈健康,余祥文,王 勇,罗定棋,顾会占
- 2644 四川地区生态因素与烟叶化学成分的关系 刘先超,马君红,刘健康,王 迅,卢 迪,叶协锋,于建军
- 2650 烤烟种子中有机酸的气相色谱法分析及聚类分析 师君丽,孔光辉,李 勇,逢 涛,宋春满
- 2654 不同晒制方法与晒黄烟质量关系的研究 柴家荣,谢丽华,张晨东,屈生彬,钱颖颖
- 2661 干旱胁迫下不同植物生长调节剂对烟草幼苗抗逆性的影响 杨 波,苏鸿雁,刘硕然

## 畜牧·兽医·水产·资源昆虫

- 2666 西藏牦牛 mtDNA *ND5* 遗传多样性及系统进化分析 海 汀,张成福,信金伟,姬秋梅,柴志欣,曾贤彬,钟金城
- 2673 运输时间对沂蒙黑山羊生理指标的影响 胡 鹏,汝 医,王守经,马建军,柳尧波
- 2677 东兰乌鸡神经肽 Y 基因对 300 日龄产蛋数的影响 孙俊丽,文信旺,黄英飞,张 冰,韦凤英,廖玉英
- 2680 基于表型性状和 SRAP 标记的西南区野生扁穗牛鞭草遗传多样性分析 陈永霞,张新全,谢文刚,马 啸
- 2687 赤霉素与化学试剂提高羊草种子萌发率及活力的比较研究 刘美茹,李金还,牛建行,王 冉,宋吉轩,吕 俊,宗学风,王三根
- 2692 中药复方宫炎净不同溶剂提取物体外抑菌活性及稳定性研究 李效振,贾书红,朱晓庆,张东升,罗 燕,周 霞,谷新利
- 2696 4 种常用渔药对松浦红镜鲤的急性毒性试验 周 剑,邓 波,李 强,刘 亚,柯红雨,王新宇,刘 超
- 2700 凡纳滨对虾精液制备及精子质量评价的初步研究 张 彬,韦嫔嫔,熊建华,陈晓汉,赵永贞,谢达祥
- 2706 茧色限性蚕品种蚕蛹自然羽化脱茧性状研究及其杂交组合筛选 张友洪,肖文福,周安莲,肖金树
- 2713 中国节腹泥蜂属一新种和二种中国新记录种(膜翅目:方头泥蜂科) 李晓莉,马 丽

## 简 报

- 2717 茎瘤芥(榨菜)现蕾期的遗传分析 刘义华,李 娟,张召荣,赵守忠
- 2720 冷藏对 5 个桂花品种主要营养成分的影响 杨秀莲,宋佳妮,赵 飞,王良桂
- 2723 四川省稻水象甲生物学特性的初步研究 刘虹伶,刘 旭,蒲德强,彭云良
- 2726 小麦温光敏核不育系柱头外露的遗传研究初报 李宏生,丁明亮,顾 坚,田玉仙,赵 红,吴绍柱,杨素梅,杨和仙,李绍祥
- 2729 吉祥草叶斑病菌的形态和分子鉴定 傅本重,赵文丽,周 勇,史红安,王立华,李国元,张志林
- 2732 蝠蛾幼虫嗜食性及取食量研究 张德利,涂永勤,刘 飞,陈仕江

## Contents

## CROP GENETICS &amp; BREEDING · GERMPLASM RESOURCES

- 2259 Genome-wide Identification and Analysis of *HMGS* Gene Family in Four Euphorbiaceae Plants ZOU Zhi, et al.
- 2267 Molecular Cloning and Expression Analysis of *HbLhcb2.2* Gene from Rubber Tree (*Hevea brasiliensis* Muell. Arg.) LIU Jian-ting, et al.
- 2272 Study on Breeding and Utilization of Aromatic Soft Rice Restorer 'Wenhui247' LI Cun-long, et al.
- 2278 Preliminary Study on Distribution of Allelic Variation of *Vp-1* in Western Spring Wheat Varieties LIU Li, et al.
- 2282 Grey Correlation Degree Used to Analyze Yield and Yield Component Factors of  
Irrigated New Wheat Line of Yunnan Province HUANG Jin, et al.
- 2286 Analysis on Combining Ability and Genetic Parameters of Resistance to Southern Corn Rust in Maize Inbred Lines WU Yong-sheng, et al.
- 2290 Screening of SSR Core Primers and Fingerprinting Construction of *Brassica napus* L. LAI Yun-ping, et al.
- 2300 Photosynthetic Substances Accumulation Characteristics and Source-repository Relationship Analysis of  
Different Waxy Degree Sorghum WANG Yan-qiu, et al.

## TILLAGE &amp; CULTIVATION · PHYSIOLOGY

- 2305 Characteristics of Maize/Soybean Intercropping System about Root Traits and Absorption of Nitrogen and Phosphorus Nutrient YIN Yuan-ping, et al.
- 2311 Distribution Response of Winter Potato Planting to Climate Warming in Guangxi LIAO Xue-ping, et al.
- 2316 Effect of Cassava-peanut Intercropping on Metabolites and Key Enzyme Activity of  
Carbon-nitrogen Metabolism of Peanut Leaf TANG Xiu-mei, et al.
- 2322 Effect of Planting Density of *Rosemarinus officinalis* L. on Growth and Biomass GAO Jie, et al.
- 2327 Analysis on Protective Effect of OsLEA2 Protein on Lactate Dehydrogenase HU Ting-zhang, et al.
- 2331 Effects of Drying Temperature and Drying Time on Seed Moisture Content and Seed Vigor and Its  
Correlation Analysis at Different Harvest Period in Rice CHEN Xin-hong, et al.
- 2339 Effect of Presoaking with Uniconazole on Seed Germination and Seedling Growth of Two Maize Hybrids LIAO Er-hua, et al.
- 2345 Effects of Low Temperature on Photosynthetic and Chlorophyll Fluorescence Characteristics of Chinese Heading Cabbage PENG Jian-tao, et al.
- 2349 Cloning and Expression Analysis of Genes Encoding Betaine Aldehyde Dehydrogenase from *Prunus persica* L. Fruit SUN Shu-xia, et al.
- 2354 Effects of Calcium on Anti-oxidant Enzymes and Membrane Lipid Peroxidation of  
Brazil Banana Seedling under NaCl Stress ZHOU Shuang-yun, et al.
- 2360 Analysis and Evaluation of Amino Acid in Different Part of *Botrychium ternatum* ZHANG Ya-guan, et al.

## PLANT PROTECTION · SOIL FERTILIZER

- 2365 Screening and Evaluation of Rice from Different Provinces against Rice Black-treaked Dwarf Virus Disease WANG Bao-xiang, et al.
- 2370 Effect of Arsenic Stress on Protein Expression Profiles from Maize Leaves of  
Abuscular Mycorrhizal Fungi (AMF) Inoculation ZHOU Quan-nan, et al.
- 2374 Green Fluorescent Protein Gene Transformation on *Fusarium verticillioides* ZHANG Xiao-fei, et al.
- 2377 Division Standard of Body Weight without Viscera for Population Age Identification of *Niviventer fulvescens* YANG Zai-xue, et al.
- 2381 Study on Preference of *Phthorimaea operculella* to Solanaceous Host Plants GUO Zhi-xiang, et al.
- 2385 Detection and Identification of Several Xinjiang Processing Pepper Seed Virus ZHANG Qiang, et al.

- 2393 Regulation of Nitrogen to *Orabanche aegyptiaca* Pers. Seed Germination under Tomato Root Exudates Simulation ZHI Jin-hu, et al.
- 2398 Isolation and Identification of Causal Organism of *Phytophthora* Blight of Pumpkin in Nanning City of Guangxi CHENG Liang, et al.
- 2402 Study on Identification of *Cinnamomum burmannii* Endophytic Bacterial Strain YX6  
and Its Control Effect on *Colletotrichum musae* LIU Zhi-qiang, et al.
- 2405 Study on Methods for Staining Root-knot Nematodes Using Different Dyes LI Yong-jun, et al.
- 2413 Identification and Primary Antimicrobial Mechanism of Biocontrol Strain Y11 and Y141  
against *Botrytis cinerea* Causing Grey Mould of Tobacco LI Yue, et al.
- 2419 *Cyperus rotundus* L. Control Effect and Sugarcane Evaluation on Safety of 14 Sulfonylurea Herbicide in Sugarcane Field MA Yong-lin, et al.
- 2423 Study on Novel Tea Plant Pest Mite, *Eotetranychus kankitus* (Ehara) WANG Xiao-qing, et al.
- 2428 Effects of Long-term Fertilizations on Soil Organic Carbon Balance in Paddy Soil from Yellow Earth LI Yu, et al.
- 2432 Effect of Nitrogen Application Rate on Yield Formation and Nitrogen Use Efficiency of  
Series of Hybrid Rice Combination Derived from Yixiang 1 A JIANG Qing-shan, et al.
- 2440 Effect of Ultrasonic on Rice Seeds Germination under Salt Stress LI Mei-juan, et al.
- 2444 Effect of Different N Form on Distribution of N, P and K, Group Structure and Yield in Wheat XUE Yan-feng, et al.
- 2449 Effect of Soil Texture on Stress Resistance of Flue-cured Tobacco Induced by Dry Mycelium of *Penicillium chrysogenum*  
DUAN Yong-ming, et al.
- 2455 Effect of Nitrogen Nutrition on Starch Accumulation in Process of Tuber Development of Autumn *Solanum tuberosum* L. LI Pei-hua
- 2460 Effects of Silicon Fertilization on Growth, Yield and Quality of Sugarcane JIANG Xiong-ying, et al.
- 2465 Comparative Analysis on Soil Nutrients of *Aquilaria sinensis* and *Dimocarpus longan* from Different Regions WANG Shi-quan, et al.
- 2469 Dynamics of Soil Fungi Community in Hainan Rubber Plantation by PCR-RFLP Techniques SONG Feng-ya, et al.
- 2478 Soil Moisture Retrieval Based on Passive Microwave Remote Sensing and BP Neural Network  
——A Case Study from Sichuan Middle Hilly Area XU Xiao-xun, et al.
- 2485 Effect of Different Crops, Soils and Irrigation Modes on Biogas Slurry Disposition ZHAI Yi, et al.
- 2489 New Soil Quality Evaluation of Yellow River Valley Area in Qinghai Province ZHANG Yang, et al.

## HORTICULTURE · AGRICULTURAL ECO-ENVIRONMENT · FOOD PROCESSING

- 2497 Nutritive Components Comparison of Cultivated, Semi-cultivated and Wild *Phlebopus portentosus* Fruit Bodies ZHANG Chun-xia, et al.
- 2501 Study on Genotoxic Effects of Potassium Dichromate on Root Tip Cells of *Pisum sativum* LI Xue, et al.
- 2506 Optimization of Cultivation Medium and Bag-making Month for *Flammulina velutipe* by Response Surface Methodology JIA Ding-hong, et al.
- 2511 RNAi Mediated Virus Resistance to TYLCV in Tomato YANG Ma-li, et al.
- 2517 Study on Correlations between Yield of Processing Tomato Inbred Lines and Major Characters in Xinjiang WANG Liang, et al.
- 2524 Identification of Red Fuji Spur Type Sports on Morphology Characters and ISSR Marker WU Ya-wei, et al.
- 2529 Study on Rapid Propagation of *Hylocereus undatus* by Two Steps PENG Lv-chun, et al.
- 2534 Pesticide Residues Detection of Strawberries Surface and Its Effects on Microflora WEI Chao, et al.
- 2539 Study on Prevention of Vitrification Phenomenon in Tissue Culture of Blueberry BI Yun, et al.
- 2543 Growing Performance of Japanese Blueberry Varieties in Two Forms of Seedling WANG He-chun
- 2548 Research on Pollen Viability and Its Storage Conditions of 30 Lily Cultivars and 2 Wild Lily Species ZHANG Yi-ping, et al.
- 2554 Comparative Study on Chloroplast Ultrastructure of *Panax notoginseng*(Burk.)F. H. Chen under Different Conditions ZHU Su-ying
- 2559 Identification of Eight Varieties of Bullbus *Fritillaria cirrhosa* SU Peng, et al.
- 2564 Effects of Temperature, Moisture Stress and Light on Seed Germination of Maca(*Lepidium meyenii* Walp. ) SHANG Rui-guang, et al.
- 2569 Correlation and Path Analysis between Agronomic Characteristics and Small Section Yield of *Psammosilene tunicoides* SU Ze-chun, et al.
- 2574 Establishment and Optimization of ISSR-PCR Reaction System for *Yunnanopilia longistaminea* WU Chun-yan, et al.

- 2580 Purification Effectiveness of Floating Plants on River Water Flowing to Xingyun Lake in Yunnan Province YANG Shao-cong, et al.
- 2586 Effect of Different Protein and Fat Content on Quality of New Quarg MO Bei-hong, et al.
- 2594 Study on Enzyme-assisted Extraction of Lecithin from Duck Liver WANG Dao-ying, et al.
- 2600 Study on Key Technology of Processing Mulberry Leaf Tea with Good Quality LUO Hong-yu, et al.
- 2605 Study on Correlations between Color and Quality of Congou Made of Different Varieties of Tea YANG Juan, et al.
- 2611 Study on Scheme for Keeping Green and Crisp and Seasoning Recipe of Okra Pickle DIAO Yuan, et al.
- 2617 Spatial Variability of Soil Nutrients at Tobacco Experiment Station in Chongqing JIANG Hou-long, et al.

## TOBACCO SCIENCE

- 2624 Effect of Different Cultivation Patterns on Component Content of Soil Carbon and Nitrogen and Their Ratio in Tobacco-topsoil YANG Shuang-jian, et al.
- 2629 Study on Analysis Method for 18 Amino Acids of Tobacco Samples ZHOU Hong, et al.
- 2635 Cloning and Bioinformatics Analysis of *PHOT2* Gene from Tobacco (*Nicotiana tabacum*) QIAO Xin-rong
- 2639 Study on Tobacco Use of N and K Absorption Law in Sichuan Province WANG Ming-fu, et al.
- 2644 Relationship between Ecological Factors and Chemical Components of Tobacco Leaves in Tobacco Planting Area of Sichuan LIU Xian-chao, et al.
- 2650 Analysis of Organic Acids in Flue-cured Tobacco Seeds by Gas Chromatography and Cluster Analysis SHI Jun-li, et al.
- 2654 Effect of Curing Methods on Quality of Yellow Sun-cured Tobacco CHAI Jia-rong, et al.
- 2661 Effects of Different Phytohormones on Resistance of Tobacco Seedling under Drought Stress YANG Bo, et al.

## ANIMAL SCIENCE · VETERINARY SCIENCE · RESOURCE INSECTS

- 2666 Genetic Diversity and Phylogenetic Analysis of mtDNA *ND5* of Tibetan Yaks HAI Ting, et al.
- 2673 Effect of Transport Time on Physiological Index of Yimeng Black Goat HU Peng, et al.
- 2677 Effects of *NPY* Gene on Total Number of Eggs with 300 Age in Donglan Black-bone Chicken SUN Jun-li, et al.
- 2680 Genetic Diversity of *H. compressa* Clones from Southwest China Based on Morphological Traits and SRAP Markers CHEN Yong-xia, et al.
- 2687 Comparative Study on Gibberellin and Chemical Reagent on Effect of Germination Rate and Vigor of *Leymus chinensis* LIU Mei-ru, et al.
- 2692 Study on Antibacterial Activity in Vitro and Stability of Chinese Medicine Compound Gongyanjing's Different Solvent Extracts LI Xiao-zhen, et al.
- 2696 Acute Toxicity Test of Four Drugs to SONGPU Red Strain Common Carp ZHOU Jian, et al.
- 2700 Preliminary Study on Semen Preparation and Sperm Quality Evaluation of *Liopenaeus vannamei* ZHANG Bin, et al.
- 2706 Research of Natural Emergence and Exuviated Cocoon Character of Silkworm Pupae and Screening of Hybridized Combination for Sex-limited Cocoon Color Race ZHANG You-hong, et al.
- 2713 A New Species and Two New Records of Genus *Cerceris* (Hymenoptera: Crabronidae) from China LI Xiao-li, et al.

## RESEARCH NOTES

- 2717 Study on Inheritance of Budding Period in Tumorous Stem Mustard LIU Yi-hua, et al.
- 2720 Effects of Cold Storage on Major Nutrients of Five *Osmanthus fragrans* Cultivars YANG Xiu-lian, et al.
- 2723 Preliminary Study on Biological Characteristics of Rice Water Weevils in Sichuan LIU Hong-ling, et al.
- 2726 Preliminary Study on Inheritance of Stigma Exertion in Wheat Thermo-photo Sensitive Genic Male Sterile Line LI Hong-sheng, et al.
- 2729 Morphological and Molecular Identification of Pathogen Causing *Reineckea carnea* Leaf Spot FU Ben-zhong, et al.
- 2732 Study on Palatability and Feeding Amount of *Hepialus* Larvae ZHANG De-li, et al.

# 《西南农业学报》编辑委员会

主 编：李跃进

副 主 编：(以汉语拼音首字母为序，有\*者为常务副主编)

白先进 李宝海 刘剑飞 刘作易 雷 波\* 唐开学

编 委：白先进 参木友 陈彩虹 陈德寿 陈晓汉 高红卫 高立洪 顾明华 何永坤 黄宗洪 蒋志农

雷 波 雷开荣 李宝海 李成云 李贤勇 李 晓 李晓忠 李跃进 刘剑飞 刘作易 罗廷荣

覃 荣 覃泽林 任光俊 粟 剑 唐开学 田时炳 王家银 王 云 魏蓉城 温国泉 吴伯志

杨 华 余国东 余懋群 余 遥 张晓春 曾秀丽 尼玛扎西

Editor in Chief: Prof. LI Yue-jian

西南农业学报(双月刊)

Xinan Nongye Xuebao

2014年12月出版(公开发刊)

2014年第27卷第6期 (卷终)

Southwest China Journal of

Agricultural Sciences(Bimonthly)

Vol.27 No.6 2014

Published on Dec. 28, 2014

本刊已加入或入编“中国知网”、“万方数据——数字化期刊群”和“中国核心期刊(遴选)数据库”，作者著作权使用费与本刊稿酬一次性给付，不再另行发放。作者如不同意将文章加入或入编，投稿时敬请说明。

协 办：四川省农作物育种攻关领导小组办公室

联系人：何希德

电 话：(028) 84504004

主 管：四川省农业厅  
主 办：四川、云南、贵州、广西、西藏及  
重庆市(区、市)农科院  
编 辑 出 版：《西南农业学报》编辑部  
编 辑 部 地 址：成都外东沙河大桥侧  
(邮编：610066)  
照 排：四川省农科院情报所印刷厂  
印 刷：四川省农科院情报所印刷厂  
国内订阅发行：四川省报刊发行局  
国外订阅发行：中国出版对外贸易总公司  
(北京782信箱)  
中国标准刊号：CN51-1213/S ISSN 1001-4829 CODEN XNXUEF

Sponsored by Sichuan, Yunnan, Guizhou, Guangxi,  
Tibet and Chongqing Academies of Agri.Sci.  
Edited and Published by Editorial Department  
of Southwest China Journal of Agri.Sci.  
Address: Shahe Daqiao, Chengdu, Sichuan  
610066

Distributed by China Publish Foreign Trading  
Corporation(P.O.Box 782, Beijing, China)  
E-mail: Jxuebao@sina.com  
<http://xnnyxb.periodicals.net.cn/default.html>

2014  
276

公开发刊

邮发代号：62-152

国内订价：20.00元

万方数据