

ISSN 1001-4829

CN 51-1213/S
CODEN XNXUEF



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来源期刊



西南农业学报

SOUTHWEST CHINA JOURNAL OF AGRICULTURAL SCIENCES

2017

第30卷 第5期

Vol.30 No.5

ISSN 1001-4829



9 771001 482171

05>

《西南农业学报》编辑委员会

万方数据

目次

作物遗传育种·种质资源

- 981 甘蔗 *ScF-box* 基因 cDNA 全长克隆和生物信息学分析 吕爱丽,刘洪博,李旭娟,吴才文,刘新龙,曾千春
989 甘蔗宿根性研究 I. 甘蔗宿根蔗蔸形态特征与其宿根性的关系

覃伟,吴才文,赵俊,赵培方,杨昆,陈学宽,姚丽,曾千春

- 994 棉花矮化突变体 AS98 差异基因表达 cDNA-AFLP 分析 钟文娟,张超,戢沛城,龚一耘,牟方生,蒲德强,袁灿,杜雄明
1000 新疆优质陆地棉资源农艺经济性状关联分析及遗传构成 王莉,肖菁,路子峰,范李萍
1009 应用克隆文库构建法研究枇杷根系 AMF 多样性 尹利方,任祺,夏体渊,朱维贤,陈泽斌,靳松,颜家亮,赵晓红

耕作栽培·生理生化

- 1016 北疆不同复播大豆品种主要数量性状的遗传多元分析 李有忠,叶春秀,董永梅,王志军,谢宗铭
1020 不同仓贮环境对片烟可溶性糖及生物碱含量的影响 陈颐,杨佳玫,王玉平,卢志伟,王忠祥,崔晓闯,杨虹琦
1027 氮肥基追比对花后高温胁迫的春小麦光合特性影响 慕宇,米美多,孙立影,朱荣,康建宏
1035 不同温度下赤霉素与硫脲对马铃薯原种休眠及芽形态的影响

汪翠存,胡建军,贾巍巍,王克秀,王西瑶,唐铭霞,黄雪丽,何卫

- 1041 鱼腥草次生代谢产物及其抗细菌活性 单体江,王伟,余炳伟,王小晴,吴春银,翁道玥,崔紫宁,王军

植物保护·土壤肥料

- 1048 苗龄、光照强度和施氮量对水稻营养物质及其与抗褐飞虱的关系
吴碧球,黄所生,胡大星,李成,孙祖雄,凌炎,蒋显斌,黄芊,龙丽萍,黄凤宽
1057 玉米与杂草互作田昆虫群落结构及稳定性研究 蔚立强,陈国华,卢文琴,张晓明,吴智峰,吴俊荣,傅杨
1063 稻麦秸秆全量还田对小麦纹枯病发生的影响 赵永强,徐振,张成玲,杨冬静,孙厚俊,谢逸萍
1068 小麦内生溶藻细菌 ZB1 的分离鉴定及其溶藻特性 张菊,韦坤逢,李灿灿,王丽,徐刚,黄剑
1074 贵州地方高粱资源炭疽病害田间抗性评估 邓小锋,彭秋,刘天友,李青凤
1078 青稞褐变籽粒中寄藏真菌多样性及其致病性分析 潘虎,达娃卓玛,次顿,王秋玲,李颖,白军平
1082 小象甲抗性鉴定方法及不同品种甘薯抗性研究 滑金锋,黄咏梅,李彦青,吴翠荣,李慧峰,陈天渊
1087 菜心种质资源小菜蛾抗性与品质的综合评价 罗海玲,康红卫,马俊,琚茜茜,张力,史卫东
1092 植物水提液和拮抗菌对香蕉枯萎病及土壤微生物的影响 漆艳香,张欣,彭军,谢艺贤
1097 烟草育苗漂液池中细菌数量变化与防控根腐药剂研究 李宏光,李勇军,刘春明,余萍,肖俊华,陆庆华,朋金娥,张绍松
1104 烟草青枯病发生流行气象因素分析及土壤调理防控技术

杨佩文,杨群辉,倪明,郭应成,肖志新,胡志明,李家瑞,杨明英

- 1109 皂角苷强化白腐真菌 *Phlebia brevispora* 降解林丹的研究 肖鹏飞,KONDO Ryuichiro
1115 水稻秸秆和蚕沙生物炭对玉米植株镉累积的影响 杨惟薇,张超兰,潘丽萍,覃霞
1121 基于 GIS 的贵州省稻田土壤养分及 pH 时空演变特征 童倩倩,李莉婕,韩峰,陈海燕,赵泽英,彭志良

1127 不同施肥处理对西藏青稞产量和土壤结构的影响 王国强,薛书浩,彭 婧,孙焕明,谢东锋

1132 海拔对毛竹林土壤水分物理性质及叶 SPAD 值的影响 廖 琪,刘 险,张 旭,王玲玲

1137 外源硅对铝胁迫下鸭茅形态构建和植株体内铝积累的影响 张美艳,刘彦培,张英俊,袁福锦,钟 声,薛世明

1145 基于 SWAT 模型的紫色土丘陵区农业小流域非点源氮、磷输出模拟研究 薛 菲,唐家良,赵 举,章熙锋,申 东,王 芮

1153 应用 Le Bissonnais 法研究不同植烟年限土壤团聚体的稳定性 王 珊,毛 玲

1158 云南锡矿尾矿库土壤肥力特征与重金属污染分析 张德刚,袁 寒,刘艳红

园艺·农业生态环境·食品加工

1162 引种红梨花青苷合成及相关因子变化 张 雪,王 荔,瞿 飞,刘 卫,杨胜俊

1168 ‘灰枣’及其芽变品系的物候和生育特性研究 冯会丽,郭佳欢,吴正保,史彦江

1176 暗褐网柄牛肝菌仿生栽培研究 刘 静,何明霞,王文兵,曹 畅,许欣景,高 锋,方艺伟,杨天伟,张春霞

1183 苹果矮化砧木抗寒性的评价与比较 李翠红,张永茂,冯毓琴,慕钰文,李长亮,魏丽娟

1189 杏子热风干燥收缩特性和色泽变化研究 王庆惠,李忠新,闫圣坤,阿布里孜

1194 渍害胁迫对不同耐湿性芝麻品种生长发育和产量的影响 张建涛,李国强,周 萌,陈丹丹,陈志君,郑国清

1200 益生菌对巨尾桉人工林采伐剩余物生物量及养分归还的影响 黄 方,吕世凡,吕成群,黄宝灵,董必珍

1205 南海湖水水质特征及沉积物重金属季节性分布特征研究 张 晔

1214 凌云白毫茶红条茶萎凋工艺研究 庞月兰,杨 春,林国轩,刘晓东,黎 敏,王 磊

畜牧·兽医·水产

1218 猪不同泌乳期母乳外泌体中 *let-7a* 和 *let-7f* 的差异表达研究 顾以韧,梁 艳,杨雪梅,陶 璇,钟志君,杨跃奎,曾 凯,陈晓晖,吕学斌

1222 绵羊肺炎支原体膜蛋白 *p74* 基因的克隆、分子特征及反应原性研究 卢海亭,孟庆玲,乔 军,彭叶龙,陈 诚,田路路,贡莎莎,才学鹏,陈创夫

1229 家兔大型艾美尔球虫四川株的致病性和免疫原性研究 王 敏,石团员,李 锐,郝力力

1233 尖裸鲤病变死亡后微生物群落结构变化分析 陈美群,李宝海,周建设,潘瑛子,扎西拉姆,王万良

1239 鲟源病原菌 HD0824 的分离鉴定及药敏特性研究 杨移斌,刘 洋,夏永涛,杨先乐,艾晓辉

Contents

CROP GENETICS & BREEDING · GERMPLASM RESOURCES

- 981 Cloning and Bioinformatics Analysis of Full-Length cDNA Sequence of *ScF-box* Gene in Sugarcane LV Ai-li, et al.
- 989 Research on Ratoon Ability of Sugarcane I. Relationship between Ratooning Ability
and Morphological Characteristics of Ratoon Stools QIN Wei, et al.
- 994 Differences in Gene Expression of Cotton Dwarf Mutant AS98 by cDNA-AFLP Analysis ZHONG Wen-juan, et al.
- 1000 Association Analysis of High Quality Upland Cotton Resources in Xinjiang Agricultural Economic Characters
and Genetic Formation WANG Li, et al.
- 1009 Study on Species Diversity of AMF Community Colonizing Loquat Roots by Constructing Clone Library YIN Li-fang, et al.

TILLAGE & CULTIVATION · PHYSIOLOGY

- 1016 Genetic Multianalysis on Main Quantity Characters of Different Soybean Varieties in Beijiang LI You-zhong, et al.
- 1020 Effects of Different Storing Conditions on Soluble Sugar and Alkaloid of Flue-cured Tobacco Strips CHEN Yi, et al.
- 1027 Effect of Nitrogen Dressing Ratios on Its Photosynthesis after Anthesis of Spring Wheat under High Temperature
MU Yu, et al.
- 1035 Effects of Gibberellin and Thiourea on Dormancy and Bud Morphogenesis of
Pre-basic Potato under Different Tempertures WANG Cui-cun, et al.
- 1041 Secondary Metabolites from *Houttuynia cordata* Thunb. and Their Antibacterial Activities SHAN Ti-jiang, et al.

PLANT PROTECTION · SOIL FERTILIZER

- 1048 Effect of Seedling Stage, Light Intensity and Nitrogen Application Rate on Nutrients of Rice and Relationship
with Resistance to Brown Panthopper(*Nilaparvata lugens*) WU Bi-qiu, et al.
- 1057 Study on Structure and Stability of Insect Community in Maize Interaction with Weed Field YU Li-qiang, et al.
- 1063 Effects of Total Wheat and Rice Straw Return on Occurrence of Wheat Sharp Eyespot ZHAO Yong-qiang, et al.
- 1068 Identification and Algae-lytic Characteristics of Endophyte Algicidal Bacteria ZB 1 Strain Isolated from Wheat
ZHANG Ju, et al.
- 1074 Resistance to Anthracnose of Local Sorghum Varieties in Guizhou DENG Xiao-feng, et al.
- 1078 Seed-borne Fungi Diversity of Browning Hullessbarley and Its Pathogenicity Analysis PAN Hu, et al.
- 1082 Identification Methods and Resistance of Different Sweet Potato Varieties to Weevil, *Cylas formicarius* HUA Jin-feng, et al.
- 1087 Comprehensive Evaluation on Qualities of Chinese Flowering Cabbage Resources
and Resistance to Diamondback Moth LUO Hai-ling, et al.
- 1092 Effects of Aqueous Extracts of Some Plants and Antifungal Strains on Banana Fusarium Wilt
Disease and Soil Microorganisms QI Yan-xiang, et al.
- 1097 Study on Bacterium Amount Changes and Controlling Tobacco Seedlings Root Rot Pesticides
and Reagents in Floating-bed Pool Solution LI Hong-guang, et al.
- 1104 Analysis of Meteorological Epidemic Factors and Soil Improvement Controlling Technology with
Tobacco Bacterial Wilt (*Ralstonia solanacarium*) YANG Pei-wen, et al.

1109 Enhancement of Saponin for Biodegradation of γ -HCH by White Rot Fungus *Phlebia brevispora* XIAO Peng-fei, et al.

1115 Effect of Rice Straw and Silkworm Biochars on Cadmium Accumulation in Maize Plants YANG Wei-wei, et al.

1121 Temporal and Spatial Evolution Characteristics of Paddy Soil Nutrients and pH Based on GIS TONG Qian-qian, et al.

1127 Effects of Different Fertilization Treatments on Yield of Tibetan Highland Barley and Soil Structure WANG Guo-qiang, et al.

1132 Effects of Altitude on Soil Water-physical Properties and SPAD Value of *Phyllostachys edulis* LIAO Qi, et al.

1137 Effects of Silicon on Plant Morphology and Uptake of Aluminum in Orchardgrass under Aluminum Stress
ZHANG Mei-yan, et al.

1145 Simulation of Non-point Source Nitrogen and Phosphorus Export of Agricultural Watershed in Purple
Hilly Areas by Using SWAT XUE Fei, et al.

1153 Application of Le Bissonnais Method to Study Stability of Soil Aggregate in Different Tobacco Planting Years
WANG Shan, et al.

1158 Analysis of Soil Heavy Metal Pollution and Fertility Properties in Tin Tailings Storehouse of Yunnan Province
ZHANG De-gang, et al.

HORTICULTURE · AGRICULTURAL ECO-ENVIRONMENT · FOOD PROCESSING

1162 Relationship between Anthocyanin Biosynthesis and Related Factors in Red Pear Varieties Introduced from Yunnan
ZHANG Xue, et al.

1168 Study on Phenology and Growth Characteristics of *Ziziphus jujuba* ‘Huizao’ and Its Bud Mutation Strains FENG Hui-li, et al.

1176 Bionic Cultivation Research of *Phlebopus portentosus* LIU Jing, et al.

1183 Screening and Contrast of Different Apple Dwarfed Rootstocks Hardiness LI Cui-hong, et al.

1189 Hot-air Drying Shrinkage Characteristics and Color Changing of Apricot WANG Qing-hui, et al.

1194 Effects of Waterlogging Stress on Growing Development and Yield of Sesame Cultivars
with Different Waterlogging Tolerance ZHANG Jian-tao, et al.

1200 Effect of Inoculated Probiotics on Felling of Biomass and Nutrient Returned of
Eucalyptus grandis × *Eucalyptus urophylla* Artificial Forest HUANG Fang, et al.

1205 Distribution of Water Quality and Heavy Metals in Bottom Sediment of Nanhai Lake during Seasons ZHANG Ye

1214 Study on Wilting Technology at Black Tea Processing of Lingyun Pekoe Tea PANG Yue-lan, et al.

ANIMAL SCIENCE · VETERINARY · FISHERY

1218 Expression Changes of microRNAs *let-7a* and *let-7f* in Pig Milk Exosomes during Different Lactation Periods GU Yi-ren, et al.

1222 Cloning, Molecular Characteristics and Reactogenicity of Membrane Protein *p74* of *Mycoplasma ovipneumoniae*
LU Hai-ting, et al.

1229 *Eimeria magna*: Pathogenicity and Immunogenicity of Strain Isolated from Rabbit(*Oryctolagus cuniculus*)
in Sichuan Province WANG Min, et al.

1233 Changes of Microbial Community after *Oxygymnocypris stewarti* Death CHEN Mei-qun, et al.

1239 Isolation and Identification Pathogenic Bacteria HD0824 from *Acipenser baerii* and Its Antibiotic Sensitivity
YANG Yi-bin, et al.

《西南农业学报》编辑委员会

主 编 (Editor-in-chief): 李跃进

副主编 (Associate editors-in-chief): (以汉语拼音首字母为序, 有*者为常务副主编)

白先进 李宝海 雷 波* 刘剑飞 唐开学 赵德刚

编 委 (Members of the editorial board):

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 曾秀丽 张晓春 赵德刚 尼玛扎西

西南农业学报 (月刊)

Xinan Nongye Xuebao

2017年5月28日出版 (公开发行)

2017年第30卷第5期

Southwest China Journal of

Agricultural Sciences (Monthly)

Vol. 30 No. 5 2017

Published on May 28, 2017

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: 成都市锦江区净居寺路20号附101号
(邮编: 610066 电话: 028-84504192)
照 排: 锦江区海林印务部
印 刷: 成都市锦慧彩印有限公司
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)
投 稿 网 址: <http://xnnyxb.com>
中国标准刊号: CN 51-1213/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: 20-101, Jingjusi Road, Jinjiang District,
Chengdu, Sichuan 610066, Tel: 028-84504192
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>

2017

第30卷 第5期

Vol.30 No.5

万方数据

公开发行

邮发代号: 62-152

国内订价: 25.00元