



ISSN 1000-2286
CN 36-1028/S
CODEN JNXUEV

全国中文核心期刊
中国科技核心期刊

江西农业大学学报

ACTA AGRICULTURAE
UNIVERSITATIS JIANGXIENSIS

2013 4
— Vol.35 No.4 —



江西农业大学主办
科学出版社出版
Science Press

万方数据

中国 南昌
Nanchang China

目 次

· 作物科学 ·

- 钾肥对双季超级早、晚稻产量与株型的影响 潘晓华, 吴建富, 何虎, 等(669)
冷害隶属函数在水稻耐低温性状的评价 刘向蕊, 陈小荣, 杨军, 等(675)
我国南方双季稻区水稻生产机械化发展现状分析 肖丽萍, 何秀文, 刘木华, 等(682)
利用 SSR 标记分析烤烟轮回选择群体的遗传多样性 焦芳婵, 高玉龙, 童治军, 等(687)
云南沾益植烟土壤 pH 分布特征及其与土壤养分关系 欧阳磊, 周冀衡, 段志超, 等(692)

· 园艺科学 ·

- 锈叶杜鹃授粉花柱的显微观察与自交亲和性分析 解玮佳, 白天, 李世峰, 等(698)
不同拉枝角度对寒富苹果树生理特性和果实品质的影响 李宏建, 王宏, 刘志, 等(703)
紫薇离体茎段快速繁殖体系研究 段丽君, 李国瑞, 童俊, 等(709)
施肥对长筒石蒜生长与净光合速率的影响 鲍淳松, 张鹏翀, 张海珍, 等(715)

· 植保科学 ·

- 江西省稻瘟病菌对春雷霉素和稻瘟灵的抗药性研究 张洁, 霍光华, 李湘民, 等(722)
番茄黑环病毒外壳蛋白基因的克隆与原核表达 魏晓棠, 李伟涛, 陈宏, 等(727)
抗稻瘟病菌活性植物醇提物组方及其体内体外活性 李芳, 霍光华, 兰波, 等(732)
江西省烟草青枯菌生理小种及生化型鉴定 周泽科, 张超群, 蒋军喜, 等(738)
蛋白饵剂对橘小实蝇雌虫生殖系统的影响 杨莉莉, 王波, 陈家骅, 等(743)

· 林业科学 ·

- 九连山自然保护区毛红椿天然林邻体干扰效应 杨清培, 付方林, 张露, 等(748)
江西退化红壤区马尾松液流特征及其对气象因子的响应 涂洁, 廖迎春, 王辉民, 等(755)
江西中亚热带针阔混交林的物种组成和空间分布特征 王方超, 胡小飞, 刘以珍, 等(761)
镉胁迫对滇润楠幼苗生理特性的影响 姜永雷, 鲁红鼎, 邓莉兰, 等(769)
油桐 β -酮脂酰-ACP 合酶Ⅲ基因克隆及序列分析 严方方, 谭晓风, 龙洪旭(775)
不同营养元素及配比对锥栗花粉萌发率的影响 唐静, 袁德义, 范晓明, 等(782)
两种植物生长延缓剂对紫竹的矮化效应 赵海燕, 刘桂华, 岳祥华, 等(786)

江西省林业生态安全物元分析评价 张 频,张邦文,蔡海生,等(791)

基于偏最小二乘回归密云森林蓄积量遥感估测 施鹏程,彭道黎(798)

· 动物科学与动物医学 ·

11~12月龄夏南牛能量代谢规律与需要量研究 刘道杨,付戴波,瞿明仁,等(802)

民猪低温胁迫的基因表达谱分析 杨月莹,刘 娣,丁常宏,等(807)

猪 *IGF-1R* 基因差异表达 5'调控区的克隆及遗传多态性 李仕新,李加琪,田允波,等(813)

不同抗生素对岭南黄肉鸡生产性能和肠道免疫影响的研究 倪 江,杨维仁,高权新,等(819)

福建白兔血液生理生化指标的测定 陈冬金,陈岩锋,谢喜平,等(826)

五种免疫相关酶在不同年龄组中国大鲵组织内的分布及活性比较研究

..... 原居林,辛建美,练青平,等(831)

一个建鲤家系的遗传多样性及微卫星标记与经济性状相关性分析

..... 李建林,李红霞,唐永凯,等(836)

蜂王浆机械化生产关键技术研究与应用(I)——仿生免移虫生产器设计

..... 曾志将,吴小波,张 飞,等(842)

· 生物技术与工程 ·

[C₈mim]Br 对聚球藻 7942 生长及生理特性的影响 邓祥元,高 坤,裴 峰,等(848)

丁香精油及丁香酚对食品腐败菌的抑菌活性研究 曾 荣,陈金印,林丽超(852)

食品中甲醛的快速测定方法研究 刘振华,黄 帆,徐向华,等(858)

卵转铁蛋白磷酸化修饰工艺条件优化 黄 蓉,徐明生,吴磊燕,等(864)

蕙兰 *GAPDH* 基因的全长克隆及生物信息学分析 田云芳,蒋素华,袁秀云,等(870)

光生物反应器中光传递模型在微藻培养中的应用 吴小芳,张志斌,余佳清,等(878)

激光诱导击穿光谱检测冶炼厂土壤中铬元素系统参数优化研究 黎文兵,姚明印,郑建鸿,等(887)

· 土壤与生态 ·

毛乌素沙地南缘生态过渡带不同生境小气候的研究 赵丽莉,杨丽华,许冬梅(892)

煤炭基地村庄压实土壤物理性质变化研究 李海明,师学义,田 毅(897)

Contents

Effects of potassium fertilizer application on the yield of super early and late rice and plant type characteristics	PAN Xiao-hua,WU Jian-fu,HE Hu,et al(669)
Use of chilling injury subordinate function on evaluation of low temperature tolerance traits in hybrid rice	LIU Xiang-rui,CHEN Xiao-rong,YANG Jun,et al(675)
An analysis of the status quo of the development of the mechanization of rice production in the double cropping rice Area in South China	XIAO Li-ping,HE Xiu-wen,LIU Mu-hua,et al(682)
Genetic diversity analysis of recurrent selection of flue-cured tobacco populations by SSR marker	JIAO Fang-chan,GAO Yu-long,TONG Zhi-jun,et al(687)
The pH distribution and its relationship to soil nutrient Zhanyi tobacco – growing areas in Yunnan Province	OUYANG Lei,ZHOU Ji-heng,DUAN Zhi-chao,et al(692)
Observation on the pollinated styles of <i>Rhododendron siderophyllum</i> by fluorescence microscopy and analysis of its self-compatibility	XIE Wei-jia,BAI Tian,LI Shi-feng,et al(698)
Effect of different branch angle on physiological characteristics and fruit quality of Hanfu apple	LI Hong-jian,WANG Hong,LIU Zhi,et al(703)
In vitro culture and rapid propagation of crape myrtle (<i>Lagerstroemia indica</i>) stem	DUAN Li-jun,LI Guo-rui,TONG Jun,et al(709)
Effect of fertilization on growth and photosynthesis of <i>Lycoris longituba</i>	BAO Chun-song,ZHANG Peng-chong,ZHANG Hai-zhen,et al(715)
The resistance of different strains of rice blast (<i>Magnaporthe oryzae</i>) in Jiangxi Province to Kasugamycin and Isoprothiolane	ZHANG Jie,HUO Guang-hua,LI Xiang-min,et al(722)
Cloning and prokaryotic expressing of coat protein gene in tomato black ring virus	WEI Xiao-tang,LI Wei-tao,CHEN Hong,et al(727)
Formula of plant-ethanol-extract resisting <i>Magnaporthe Oryzae</i> and its activity in <i>Vivo</i> and <i>Vitro</i>	LI Fang,HUO Guang-hua,LAN Bo,et al(732)
Identification of race and biovar of <i>Ralstonia solanacearum</i> from tobacco in Jiangxi province	ZHOU Ze-ke,ZHANG Chao-qun,JIANG Jun-xi,et al(738)
Effects of protein bait on the reproductive system of female <i>Bactrocera dorsalis</i> (Hendel)	YANG Li-li,WANG Bo,CHEN Jia-hua,et al(743)
A study on the neighborhood interterrence index in <i>Toona ciliates</i> var. <i>pubescens</i> community	YANG Qing-pei,FU Fang-lin,ZHANG Lu,et al(748)
Characteristics of sap flow of <i>Pinus massoniana</i> and responses to multiple meteorological factors in degraded red soil area	TU Jie,LIAO Ying-chun,WANG Hui-ming, et al (755)
Community composition and spatial distribution of coniferous-broadleaved mixed forest in subtropical region,Jiangxi Province	WANG Fang-chao,HU Xiao-fei,LIU Yi-zhen,et al (761)
Effect of cadmium stress on physiological traits in <i>Machilus yunnanensis</i> seedlings	JIANG Yong-lei,LU Hong-ding,DENG Li-lan,et al(769)
Cloning and sequence analysis of full-length cDNA encoding beta-ketoacyl-ACP synthaseIII from <i>Vernicia fordii</i>	YAN Fang-fang,TAN Xiao-feng,LONG Hong-xu(775)
The influence of nutrient elements on pollen germination percentage of <i>Castanea henryi</i>	TANG Jing,YUAN De-yi,FAN Xiao-ming,et al(782)
Dwarfing effect of two retardants on <i>Phyllostachys nigra</i>	ZHAO Hai-yan,LIU Gui-hua,YUE Xiang-hua,et al(786)
Evaluation of forestry ecological security based on matter element analysis	ZHANG Pin,ZHANG Bang-wen,CAI Hai-sheng,et al(791)
Estimation of forest volume of miyun county on remote sensing by partial least squares regression	SHI Peng-cheng,PENG Dao-li(798)
The metabolism rule and requirements of energy of 11 to 12 – month – old Xianan cattle	LIU Dao-yang,FU Dai-bo,QU Ming-ren,et al(802)
Analysis of gene expression profile in response to low temperature stress of pig	YANG Yue-ying,LIU Di,DING Chang-hong,et al(807)
Differential tissue expression of porcine <i>IGF -1R</i> ,cloning and genetic polymorphisms of the 5'regulatory region	LI Shi - xin,LI Jia - qi, TIAN Yun - bo,et al (813)
Influences of antibiotics on the growth performance and intestinal immunity of lingnan yellow broilers	NI Jiang,YANG Wei-ren,GAO Quan-xin,et al (819)
Determination of blood physiological and biochemical parameters in Fujian white rabbits	CHEN Dong-jin,CHEN Yan-feng,XIE Xi-ping,et al(826)
Comparative studies on the activities of five immune-related enzymes in the tissues of Chinese Giant Salamander (<i>Andrias davidianus</i>) of different ages	YUAN Ju-lin,XIN Jian-mei,LIAN Qing-ping,et al(831)
Analysis of genetic diversity in a jian carp family and correlation of microsatellite markers and economic traits	LI Jian-lin,LI Hong-xia,TANG Yong-kai,et al (836)
Research and application of key technique for mechanized production of <i>Royal jelly</i> (I)——A design of bionic non - grafting larvae ovipositor	ZENG Zhi-jiang,WU Xiao-bo,ZHANG Fei,et al(842)
Effects of 1 - octyl - 3 - methylimidazolium bromide ([C ₈ mim]Br) on the growth and physiological characteristics of <i>Synechococcus</i> sp. PCC 7942	DENG Xiang-yuan,GAO Kun,PEI Feng,et al(848)
Antimicrobial activity of clove essential oils and eugenol against food-borne bacteria	ZENG Rong,CHEN Jin - yin, LIN Li - chao(852)
The rapid determination of formaldehyde in food	LIU Zhen-hua,HUANG Fan,XU Xiang-hua,et al(858)
Optimization of phosphorylation modification technology for ovotransferrin	HUANG Rong,XU Ming-sheng,WU Lei-yan,et al(864)
Clone and bioinformatics analysis of <i>GAPDH</i> From ORCHID (<i>Cymbidium faberi</i>)	TIAN Yun-fang,JIANG Su-hua,YUAN Xiu-yun,et al(870)
Light transfer model and its application in microalgal culture in photobioreactor	WU Xiao-fang,ZHANG Zhi-bin,Yu Jia - qing,et al(878)
Parameter optimization of LIBS in detecting chromium in smelter soil	LI Wen-bing,YAO Ming-ying,ZHENG Jian-hong,et al(887)
Studies on micro-climate in different habitats in Southern Ecotone of Mu Us Sandy Land	ZHAO Li-li,YANG Li-hua,XU Dong-mei(892)
Study on the changes of the physical properties of the compacted soil in coal base	LI Hai-ming,SHI Xue-yi, TIAN Yi(897)