



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

2012 6

— Vol.34 No.6 —

江西农业大学主办



科学出版社
Science Press

出版

中国 南昌

Nanchang China

目 次

· 作物科学 ·

不同氮钾用量对比对直播稻产量和品质的影响 李木英,陈志攀,石庆华,等(1071)

利用等位基因特异性 PCR 检测水稻可溶性淀粉合酶基因的单核苷酸多态性
..... 彭小松,朱昌兰,林 华,等(1080)

开花期水稻颖花实时定量 RT-PCR 分析中内参基因的选择 何永明,曾晓春(1086)

三系杂交早籼稻直链淀粉含量的遗传效应与杂种优势分析 林 强,王旭春,王洪飞,等(1093)

镉胁迫下不同耐性水稻植株幼苗生长和抗氧化酶的变化 陈 会,任艳芳,陈秀兰,等(1099)

不同复种模式对双季稻田生态服务功能的影响 孙卫民,黄国勤(1105)

· 园艺科学 ·

壳聚糖涂膜对新余蜜橘常温贮藏保鲜效果的影响 陈楚英,陈 明,陈金印,等(1112)

不同抗旱性柑橘砧木相关生理指标及基因表达差异分析 杨义伶,黄春辉,辜青青,等(1118)

“三定三控”技术对“金魁”猕猴桃产量与品质的影响 鄢帮有,陈 葵,严玉平,等(1124)

一品红 27 个品种花粉量、花粉活力及 3 种测定方法的比较 李 畅,苏家乐,刘晓青,等(1130)

芍药栽培基质草炭减量及替代物研究 叶露莹,刘 燕(1136)

· 植保科学 ·

野生车前草抗穗枯病种质资源鉴定 刘鹏凯,涂怀妹,崔朝宇,等(1142)

内生细菌 JH-10 对油菜菌核病的防治作用 孙正祥,王 丰,莫春侨,等(1146)

江西赣州西南地区蜘蛛多样性的研究 陈连水,袁凤辉,饶 军,等(1152)

· 林业科学 ·

大岗山毛竹林中主要树种生态位及 DCA 排序分析 杨清培,王 兵,郭起荣,等(1163)

大岗山地区主要林型可燃物调查与林火行为 孙 武,牛树奎,赵 蓓,等(1171)

基于 GIS 技术的生态公益林与商品用材林质量评价 蔡 重,张志云,连芳青,等(1180)

植茶年龄对丘陵区茶园土壤和茶树养分含量的影响 李 敬,胡小飞,段小华,等(1186)

主成分分析法在油茶无性系综合评价中的应用	杜洋文,邓先珍,徐春永,等(1193)
永安市洪田村森林干扰现状及对策研究	胡丽秋,邓华锋(1199)

· 动物科学与动物医学 ·

过氧化氢和谷胱甘肽对延边黄牛体细胞克隆胚胎氧化损伤的影响	杨月春,王士勇,李钟淑,等(1206)
茯苓超微粉对优质鸡生长性能及抗氧化功能的影响	李 健,陈小国,王长康,等(1211)
基于 mtDNA Cytb 序列分析养殖与野生刀鲚群体的遗传多样性	魏广莲,徐钢春,顾若波,等(1216)
鄱阳湖黄颡鱼染色体核型分析及进化地位探讨	毛慧玲,葛欣琦,刘佳丽,等(1222)
常熟铁黄沙河段浮游生物的调查分析	景 丽,周彦锋,徐东坡,等(1226)
功能大豆寡肽蛋白饲料在奶牛生产中的应用研究	张吉鹏,吴文旋,李龙瑞,等(1232)
柠檬酸和柠檬酸钠在酸牛奶饮品中的应用	廖文艳,于 鹏,周 杰(1240)

· 生物技术与工程 ·

抗真菌单体组分 DZP-8 和 DZP-9 理化性质及其稳定性研究	魏赛金,杜亚楠,涂晓嵘,等(1245)
豆豉溶栓酶产生菌 <i>Bacillus subtilis</i> LD-8547 的诱变选育	袁 军,李国良,沈榕强,等(1251)
生防木霉 SS003 菌株 (<i>Trichoderma atroviride</i>) 的固体发酵工艺研究	敖新宇,程立君,陈玉惠,等(1256)
嗜水气单胞菌江西地区分离株耐药性及耐药质粒分析	朱芝秀,何后军,邓舜洲,等(1262)
硫酸铝对大蒜根尖细胞毒性效应的研究	秦永燕,丹惠国,刘瑞祥,等(1269)

· 资源与环境科学 ·

UV/TiO ₂ 降解亚甲基蓝染料废水的动力学特性及影响因素	张 钦,程晓迪,徐观军,等(1273)
MBR 处理城市垃圾渗滤液中溶解性微生物产物(SMP)的影响分析	崔喜勤,申 欢,金奇庭(1281)
土壤中 Cu、Cd 植物有效性模型的建立与检验	丁 园,史蓉蓉,赵帼平,等(1286)
巯基-β-环糊精/石墨烯复合膜电极对多巴胺的电化学行为研究	龚 霞,马建国,毛燕妮,等(1291)
序批式混凝土生物膜反应器净水工艺特性研究	贾昌梅,蒋娜莎,金腊华(1296)
向本刊审稿专家致谢	(1085)

Contents

Effects of different proportions of nitrogen and potassium amounts on grain yield and quality of direct-seeded rice	LI Mu-ying, CHEN Zhi-pan, SHI Qing-hua, et al(1071)
Identification of single nucleotide polymorphism of soluble starch synthase genes of rice with allele-specific PCR	PENG Xiao-song, ZHU Chang-lan, LIN Hua, et al(1080)
Reference gene selection for quantitative real-time RT-PCR normalization in rice florets during anthesis	HE Yong-ming, ZENG Xiao-chun(1086)
An analysis on genetic effects and heterosis of amylose content in three-line early season <i>Indica</i> hybrid rice	LIN Qiang, WANG Xu-chun, WANG Hong-fei, et al(1093)
Changes of seedlings growth and antioxidant enzyme activities of different Cd-tolerant rice cultivars under cadmium stress	CHEN Hui, REN Yan-fang, CHEN Xiu-lan, et al(1099)
Effects of different multiple cropping patterns on ecology service from double-cropping paddy field ...	SUN Wei-ming, HUANG Guo-qing(1105)
Effects of chitosan coating on post-harvest quality of Xinyu tangerine during ambient temperature storage	CHEN Chu-ying, CHEN Ming, CHEN Jin-yin, et al(1112)
An analysis of physiological index of and gene expression differences in drought tolerance of two citrus rootstock seedlings	YANG Yi-ling, HUANG Chun-hui, GU Qing-qing, et al(1118)
A study on new canopy management technologies for Kiwi fruit	YAN Bang-you, CHEN Kui, YAN Yu-ping, et al(1124)
Cluster analysis for the pollen quantity and viability of 27 <i>Euphorbia pulcherrima</i> cultivars and comparison of testing methods	LI Chang, SU Jia-le, LIU Xiao-qing, et al(1130)
A study on reduction of turf from the growing substratum for <i>Paeonia lactiflora</i> and its substitute	YE Lu-ying, LIU Yan(1136)
Resistance evaluation of wild plantain germplasm resources to <i>Diaporthe angelicae</i>	LIU Peng-kai, TU Huai-mei, CUI Chao-yu et al(1142)
The control effect of endophytic bacteria JH-10 on <i>Sclerotinia sclerotiorum</i>	SUN Zheng-xiang, WANG Feng, MO Chun-qiao, et al(1146)
An analysis on the diversity of spiders in southwest of Ganzhou district in Jiangxi Province	CHEN Lian-shui, YUAN Feng-hui, RAO Jun, et al(1152)
Niche characteristics and DCA ordination of main species of <i>Phyllostachys edulis</i> forests in Dagangshan Mountain, Jiangxi Province	YANG Qing-pei, WANG Bing, GUO Qi-rong, et al(1163)
Forest fuel survey and fire behavior in main forests in Dagangshan	SUN Wu, NIU Shu-kui, ZHAO Bei, et al(1171)
Quality evaluation for ecological public welfare forest and commercial timber forest based on GIS technique	CAI Chong, ZHANG Zhi-yun, LIAN Fang-qin, et al(1180)
Effects of planting year on soil and plant nutrients in hilly tea gardens	LI Jing, HU Xiao-fei, DUAN Xiao-hua, et al(1186)
Application of principle component analysis on comprehensive evaluation of <i>Camellia oleifera</i> clone	DU Yang-wen, DEBG Xian-zhen, XU Chun-yong, et al(1193)
A review on the current forest disturbance of hong tamura in Yong'an district and countermeasures	HU Li-qiu, DENG Hua-feng(1199)
Effect of hydrogen peroxide and glutathione on oxidative damage in somatic cell cloning embryos of yanbian callite	YANG Yue-chun, WANG Shi-yong, LI Zhong-shu, et al(1206)
Effects of qiling ultramicro powder on growth performance and antioxidant status of quality chickens	LI Jian, CHEN Xiao-guo, WANG Chang-kang, et al(1211)
Studies on the genetic diversity of farmed and wild populations of <i>Coilia nasus</i> by analysing mitochondrial DNA Cyt b genes	WEI Guang-lian, XU Gang-chun, GU Ruo-bo, et al(1216)
Karyotype analysis of <i>Pelteobagrus fulvidraco</i> in Poyang Lake and discussion of its evolutionary position	Mao Hui-ling, Ge Xin-qi, Liu Jia-li, et al(1222)
A survey analysis of the plankton in the Changshu Tiehuangsha River	JING Li, ZHOU Yan-feng, XU Dong-po, et al(1226)
A study on application of functional soy oligopeptide-protein feeds (FSOPF) to dairy cow	ZHANG Ji-kun, WU Wen-xuan, LI Long-rui, et al(1232)
The application of citric acid and sodium citrate in Yoghurt drinking	LIAO Wen-yan, YU Peng, ZHOU Jie(1240)
Studies on stability of physical and chemical properties of antifungal monomers DZP-8 and DZP-9 produced by <i>Streptomyces</i> 702	WEI Sai-jin, DU Ya-nan, TU Xiao-rong, et al(1245)
Mutation of <i>Douchi</i> fibrinolytic enzyme producing strain <i>Bacillus subtilis</i> LD-8547	YUAN Jun, LI Guo-liang, SHEN Rong-qiang, et al(1251)
The solid fermentation technology for bio-control strain SS003 of <i>Trichoderma atroviride</i>	AO Xin-yu, CHENG Li-jun, CHEN Yu-hui(1256)
An analysis of the antibiotic resistance and plasmid profile <i>Aeromonas hydrophila</i> isolated from Jiangxi Province	ZHU Zhi-xiu, HE Hou-jun, DENG Shun-zhou, et al(1262)
Cytogenetic toxicity effect of aluminum sulphate on <i>Allium sativum</i> L. root tip cells	QIN Yong-yan, DAN Hui-guo, LIU Rui-xiang, et al(1269)
Degradation of methylene blue by UV/TiO ₂ : kinetics and influencing factors	ZHANG Qin, CHENG Xiao-di, XU Guan-jun, et al(1273)
An analysis of on the effect soluble microbial products in treatment of municipal landfill leachate by means of MBR	CUI Xi-qin, SHEN Huan, JIN Qi-ting(1281)
Establishment and test of statistical model for phytoavailability of copper and cadmium in soils	DING Yuan, SHI Rong-rong, ZHAO Guo-ping, et al(1286)
A study on electrochemical behaviors of thiol- β -cyclodextrine/graphene composite film modified electrode for dopamine	GONG Xia, MA Jian-guo, MAO Yan - ni, et al(1291)
A study on technological characteristics of sewage treatment by sequencing batch reactor with concrete bio-films	JIA Chang-mei, JIANG Na-sha, JIN La-hua(1296)