



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 2
— Vol.35 No.2 —

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

· 动物科学与动物医学 ·

- 锌添加水平对断奶仔猪生产性能及免疫机能的影响 张彩英, 曹华斌, 胡国良, 等 (225)
- 玉山黑猪 *H-FABP* 基因的遗传多态性和表达研究 周泉勇, 万明春, 杨 群, 等 (230)
- 江西地方猪品种的线粒体遗传多样性研究 霍俊宏, 武艳平, 谢金防, 等 (234)
- 不同治疗条件下对仔兔大肠杆菌病肠道显微结构的影响 刘莲莲, 张应龙, 杨海莹, 等 (238)
- 纳米蜂胶的制备及其对大鼠降血脂和抗氧化功能影响 颜伟玉, 谢国秀, 丁黄洁, 等 (245)
- 中草药方剂对施氏鲟非特异性免疫功能的影响 王 荻, 刘红柏 (249)
- 洮湖日本沼虾遗传多样性的 RAPD 和 SSR 分析 张敏莹, 徐东坡, 段金荣, 等 (255)

· 作物科学 ·

- 江西晚稻超级稻穗、叶性状特征及其相互关系 石 桓, 余秋英, 贺浩华, 等 (259)
- 基于“3414”试验的早稻施肥效应与推荐肥料研究 叶祥盛, 文建平 (266)
- 增温催芽及苗期补光对烤烟种子萌发及生长的影响 王学栋, 邹 凯, 杨虹琦, 等 (274)
- 江西省几种常见农田生态系统的能值分析——基于余江县农科所的试验 ... 王淑彬, 刘彬彬, 黄国勤 (281)
- 基于 MODIS 遥感资料的江西省双季早稻估产研究 高学慧, 黄淑娥, 颜流水, 等 (290)

· 园艺科学 ·

- 菜心 cDNA - AFLP 分析体系的优化与建立 肖旭峰, 王 恒, 黄 敏, 等 (296)
- 辣椒遗传图谱的构建与 QTL 定位研究进展 宗洪霞, 周坤华, 方 荣, 等 (301)
- 基于 SSR 和 SCAR 标记的草莓主栽品种指纹图谱构建及亲缘关系分析
..... 忻 雅, 阮松林, 马华升, 等 (307)

· 植保科学 ·

- 啶禾灵对映体对大型溞毒性的手性选择性 许阳光, 张金玲, 刘 亮, 等 (313)
- 柑橘可培养内生细菌与寄主品种抗溃疡病相关性的初步研究 刘 冰, 李冬植, 胡长志, 等 (319)
- 西瓜枯萎病生防菌 XG - 1 的筛选、鉴定及其抑菌作用 孙正祥, 王 丰, 黄 玲, 等 (324)
- 中药爵床甲醇提取物对亚洲玉米螟的生物活性 郭明程, 李保同, 汤丽梅, 等 (329)

· 林业科学 ·

离子注入对桉树不同家系单点生长的影响研究 李光友,徐建民,吴世军,等(334)

内生真菌对缓解尾巨桉幼苗铝毒影响研究 谢安强,洪 伟,吴承祯,等(339)

普通油茶砧穗嫁接组合的亲合性分析 龙 伟,姚小华,王开良,等(346)

攸县油茶 F₂ 代 4 个优良单株花器特征观测及花粉特性分析 向 晖,袁德义,高 超,等(352)

山蜡梅叶中 3 种黄酮类成分含量动态变化研究 聂 桦,房海灵,黄丽莉,等(357)

不同施肥措施对江西毛竹冰雪灾后林分产量的影响 王海霞,彭九生,杨光耀,等(361)

国内成过熟林资源短期内木材供给潜力分析 赵同林,徐伟恒,苏志芳,等(366)

LED 光源在种苗繁育中的应用现状及前景分析 周锦业,丁国昌,汪 婷,等(370)

LED 光源不同光质比例对红掌试管苗生长的影响 陈 颖,王 政,纪思羽,等(375)

干旱时期放养紫胶虫对马鹿花光合生理生态特征影响研究 黄小波,李福强,杨贵成,等(381)

· 生物技术与工程 ·

脂肪酸合成酶基因多态性与诱导性高血脂症小鼠血脂性状的相关性分析
..... 王文君,刘 姚,陈婷婷,等(387)

青钱柳多糖对高血脂症小鼠脂肪酸合成酶(*FAS*)表达影响..... 刘 姚,陈婷婷,傅凌韵,等(392)

嗜水气单胞菌诱导中华绒螯蟹消减文库的构建及初步分析 赵大显,陈敏文,江 坤,等(398)

EM 对嗜水气单胞菌体外抑制作用试验 朱芝秀,何后军,张文波,等(404)

基质分散萃取——反相高效液相色谱法测定杨梅中氯吡脞 杨 柳,朱杰丽,吴翠蓉,等(408)

茶叶外形品质的高光谱图像量化分析..... 吴瑞梅,吴彦红,艾施荣,等(413)

· 土地资源 ·

基于地统计学的农业田间试验地选择及评价方法 陈义强,刘国顺,习红昂(419)

基于 PSR - FUZZY 模型的土地利用总体规划实施评价研究 高 奇,师学义,王子凌,等(427)

黄褐土 CEC 影响因子分析 查理思,吴克宁,鞠 兵,等(433)

Contents

Effects of zinc levels on growth performance and immune function of weanling piglets	ZHANG Cai-ying, CAO Hua-bin, HU Guo-liang, et al (225)
The genetic polymorphism and gene expression of <i>H-FABP</i> in Yushanhei pigs	ZHOU Quan-yong, WAN Ming-chun, YANG Qun, et al (230)
Mitochondrial diversity in Jiangxi pigs	HUO Jun-hong, WU Yan-ping, XIE Jin-fang, et al (234)
Effect of colibacillosis on intestine ultrastructure of rabbits under different treatment conditions	LIU Lian-lian, ZHANG Ying-long, YANG Hai-ying, et al (238)
Preparation of nanometer propolis and its effect on decreasing lipidemia and anti-oxidation in rats	YAN Wei-yu, XIE Guo-xiu, DING Huang-jie, et al (245)
Effects of Chinese medicinal herb complex additives on Non-specific immunity of amur sturgeon (<i>Acipenser schrencki Brandt</i>)	WANG Di, LIU Hong-bai (249)
A genetic diversity analysis of oriental river prawn (<i>Macrobrachium nipponense</i>) in Taohu lake using RAPD and SSR	ZHANG Min-ying, XU Dong-po, DUAN Jin-rong, et al (255)
Correlation of panicle with flag leaf related traits in Jiangxi late-season indica super rice	SHI Huan, YU Qiu-ying, HE Hao-hua, et al (259)
Studies on fertilization effect and recommended amount for early rice based on "3414" field trials	YE Xiang-sheng, WEN Jian-ping (266)
The effects of increasing temperature to accelerate germination and supplementing lighting in the seedling period on germination and growth of tobacco seeds	WANG Xue-dong, ZOU Kai, YANG Hong-qi, et al (274)
An emergy analysis on several farmland ecosystems in the ecological economic region of Poyang lake	WANG Shu-bin, LIU Bin-bin, HUANG Guo-qin (281)
Yield estimation on Jiangxi early rice based on MODIS data	GAO Xue-hui, HUANG Shu-e, YAN Liu-shui, et al (290)
Optimization and establishment of cDNA-AFLP analysis system for flowering Chinese cabbage	XIAO Xu-feng, WANG Heng, HUANG Min, et al (296)
Research advances in genetic mapping and QTL in pepper	ZONG Hong-xia, ZHOU Kun-hua, FANG Rong, et al (301)
Establishment of DNA fingerprinting and analysis of genetic relationship among main strawberry (<i>Fragaria ananassa</i>) cultivars in Southern China	XIN Ya, RUAN Song-lin, MA Hua-sheng, WANG Shu-zhen, et al (307)
The chiral selection of quinoxalophenyl-p-ethyl enantiomers on toxicity <i>Daphnia magna</i>	XU Yang-guang, ZHANG Jin-ling, LIU Liang, et al (313)
The relativity between cultural endophytic bacteria in orange and the resistance of the host variety against the citrus canker	LIU Bing, LI Dong-zhi, HU Chang-zhi, et al (319)
Isolation, identification of biocontrol bacterium and its antagonistic activity against <i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	SUN Zheng-xiang, WANG Feng, HUANG Lin, et al (324)
Bioactivity of methanol extracts from <i>Justicia procumbens</i> L. of chinese medicine against <i>Ostrinia furnacalis</i> guenee	GUO Ming-cheng, LI Bao-tong, TANG Li-mei, et al (329)
A study on the effect of ion-beam implanting on the families/clones of <i>Eucalyptus</i>	LI Guang-you, XU Jian-min, WU Shi-jun, et al (334)
The study of AI poison laxation with ten kinds of fungus in <i>E. urophylla</i> × <i>E. grandis</i>	XIE An-qiang, HONG Wei, WU Cheng-zhen, et al (339)
The analysis of the affinity of rootstock and scion in the grafting seedlings of <i>Camellia oleifera</i>	LONG Wei, YAO Xiao-hua, WANG Kai-liang, et al (346)
Observation of flower characteristics and analysis of pollen characteristics of four superior single-plant of the second generation of <i>Camellia yuh-sienensis</i> Hu	XIANG Hui, YUAN De-yi, GAO Chao, et al (352)
Determination of the contents of three flavonoids in leaves of <i>Chimonanthus nitens</i> Oliv. and their dynamic changes	NIE Wei, FANG Hai-ling, HUANG Li-li, et al (357)
Effect of different fertilizing methods on yield of moso bamboo forest damaged by Ice-snow disaster	WANG Hai-xia, PENG Jiu-sheng, YANG Guang-yao, et al (361)
An analyse on wood supply potential of mature and over-mature forest resources in china	ZHAO Tong-lin, XU Wei-heng, SU Zhi-fang, et al (366)
The status quo of the application of LED light source in seedling breeding and its prospects in the breeding of forestry seedlings	ZHOU Jin-ye, DING Guo-chang, WANG Ting, et al (370)
Effects of different light quality ratios of light emitting diode(LED) on the growth of <i>Anthurium andraeanum</i> plantlets in vitro	CHEN Ying, WANG Zheng, JI Si-yu, et al (375)
A study on effects of inoculating lac insects on photosynthetic characteristics of <i>Pueraria wallichii</i> during drought	HUANG Xiao-bo, LI Fu-qiang, YANG Gui-cheng, et al (381)
An analysis on the relationship between the <i>FAS</i> gene polymorphism and the blood-fat traits in induced hyperglycemia mice	WANG Wen-jun, LIU Yao, CHEN Ting-ting, et al (387)
Effect of <i>cyclocarya paliurus</i> (batal) <i>Ilijinskaja</i> polysaccharide on the fatty acid synthase expression in hyperglycemia mice	LIU Yao, CHEN Ting-ting, FU Ling-yun, et al (392)
Construction and primary analysis of suppression subtractive hybridization library of <i>Eriocheir sinensis</i> by <i>Aeromonas hydrophila</i>	ZHAO Da-xian, CHEN Min-wen, JIANG Kun, et al (398)
Antibacterial effect in vitro of EM (effective microorganisms) on <i>Aeromonas hydrophila</i>	ZHU Zhi-xiu, HE Hou-jun, ZHANG Wen-bo, et al (404)
Determination of forchlorfenuron in <i>Myrica rubra</i> by matrix solid phase dispersion extraction and reversed high performance liquid chromatography	YANG Liu, ZHU Jie-li, WU Cui-rong, et al (408)
The quantification of tea appearance quality using hyper-spectral imaging	WU Rui-mei, WU Yan-hong, AI Shi-rong, et al (413)
Selection and evaluation method for agriculture experiment field base on geostatistics	CHEN Yi-qiang, LIU Guo-shun, XI Hong-ang, et al (419)
A study on evaluation of general land use planning implementation based on the model of PSR-FUZZY	GAO Qi, SHI Xue-yi, WANG Zi-ling, et al (427)
An analysis on the influencing factors in cation exchange capacity of yellow-cinnamon soil	CHA Li-si, WU Ke-ning, JU Bin, et al (433)