

## 第 一 期

## · 作物科学 ·

- 东乡野生稻和常规稻“莲香早”苗在干旱胁迫下外观及生理性状变化的比较 ..... 唐犁 杨正威 邱兵余 等(1)
- 双季水稻精确施氮参数的确定与验证 ..... 陈爱忠 潘晓华 吴建富 等(6)
- 不同种植密度和施肥量对杂交油菜叶片叶绿素含量和产量的影响 ..... 王继玥 宋海星 宦春云 等(13)
- Barricade 除草剂残留土壤后对黑麦草生长发育的影响 ..... 李战胜 谭卫军 张海娟 等(18)

## · 园艺科学 ·

- 低浓度镉对小白菜生长及营养元素吸收积累的影响 ..... 张菊平 崔文朋 焦新菊 等(22)
- 百合试管子球培育影响因子的研究 ..... 张芝萍 崔光芬 王继华 等(29)

## · 植保科学 ·

- 江西省水稻主要品种抗瘟基因型的推导 ..... 李湘民 吴淑秀 兰波 等(32)
- 几种杀菌剂对柑桔溃疡病的生物活性 ..... 孙惠敏 李保同 郭明程 等(38)
- RT-PCR 法特异性快速检测黄瓜绿斑驳花叶病毒 ..... 张卫东 权永兵 廖力 等(43)

## · 林业科学 ·

- 引种桉树苗期的抗寒性分析 ..... 张露 张俊红 温忠辉 等(47)
- 中亚热带毛竹和杉木的稳定碳同位素组成及其对水分利用效率的指示 ..... 丁访军 王兵 郭浩 等(52)
- 油茶树体结构与产量关系的研究 ..... 潘华平 刘君昂 周国英 等(58)
- 毛竹林物种多样性对集约经营的响应模型 ..... 杨清培 时培建 王兵 等(63)
- 不同垦复时间毛竹林土壤性质变化特征研究 ..... 刘广路 范少辉 漆良华 等(68)
- 江西常见树种抗火性研究 ..... 肖金香 黄亚哲 李冬 等(76)
- 大叶相思扦插繁殖技术研究 ..... 易敏 黄烈健 陈祖旭 等(84)
- 广东紫珠栽培技术对药材产量的影响 ..... 林小凡 朱培林 罗坤水 等(90)

## · 动物科学与动物医学 ·

- 日粮锌源和锌水平对断奶仔猪血清及组织铜、锌沉积的影响 ..... 张彩英 郭小权 胡国良 等(96)
- 不同储藏条件下长白猪肌肉 pH、糖原、乳酸及 TBA 的变化及相关关系 ..... 郭建凤 武英 王继英 等(100)
- 猪戊型肝炎病毒 RT-nPCR 检测方法的建立及应用 ..... 张序 罗火亮 张文波 等(107)
- 奶牛产奶量与乳成分的多元回归分析 ..... 张巧娥 吴学荣 马水鱼 等(112)
- 清远麻鸡 VIPR-1 基因 C1704887T、C1715301T 位点与繁殖性状的关联性分析 ..... 周敏 沈栩 李莹 等(117)
- 鸡 12 周龄体重的多基因混合遗传分析 ..... 王克华 章元明 曲亮 等(123)
- 番鸭呼肠孤病毒 YB 株  $\sigma_{NS}$  基因的克隆和序列分析 ..... 吴异健 王劭 黄一帆 等(128)
- 三种人工饲料对中华蜜蜂春繁的影响 ..... 刘俊峰 刘光楠 颜伟玉 等(137)

## · 生物技术工程 ·

- 凤仙透骨草中抑菌活性物质提取工艺研究 ..... 曾荣 陈金印 张阿珊 等(141)
- 野葛块根总 RNA 的不同提取方法比较研究 ..... 肖旭峰 姜文轩 吴才君 等(147)
- 表面活性剂协同微波提取大豆黄酮的研究 ..... 王纯荣 郑国栋 颜贤仔 等(151)
- 青钱柳多糖降血脂作用的研究 ..... 黄明圈 上官新晨 徐明生 等(157)
- 柑橘类植物和其它植物的 GPAT 和 SOD 基因分子进化分析 ..... 吴波 刘勇 等(162)
- 青海蚕豆清蛋白与球蛋白分级提取 SDS-PAGE 比较分析 ..... 李萍 侯万伟 严清彪 等(168)
- 紫红薯膳食纤维漂白工艺研究 ..... 吴少福 蒋艳 上官新晨 等(173)
- 花生果烘烤加工新工艺研究 ..... 祝水兰 雷颂 冯健雄 等(178)

## · 土壤生态与农业工程 ·

- 基于 GIS 和 USLE 的朱溪河小流域土壤侵蚀经济损失评估 ..... 林惠花 武国胜 朱鹤健 等(183)
- NOAA/AVHRR 遥感数据在夜间雾监测中的应用 ..... 樊建勇 黄玲 祝必琴 等(189)
- 力学损伤香蕉的外观品质演变特性研究 ..... 徐凤英 吴冠活 邹湘军 等(194)

茶园行走底盘液压系统设计 ..... 王中玉,丁为民,肖宏儒等(200)

第 二 期

• 作物科学 •

- 不同种植季节下水稻茎秆粗度遗传分析 ..... 陈小荣,陈志彬,贺浩华等(205)
- 籼型杂交稻恢复系、F<sub>1</sub> 稻穗枝梗和颖花分化与退化特征研究 ..... 钟 蕾,何 虎,潘晓华(211)
- 营养缺乏胁迫下水稻籽粒蛋白质组图谱分析 ..... 唐秀英,邵彩虹,谢金水(217)
- 津巴布韦烤烟品种在云南中低海拔区域的比较试验 ..... 吴兴富,肖炳光,寸锦芬等(222)
- 扁穗雀麦单混播草地产草量和品质的研究 ..... 田 宏,刘 洋,张鹤山等(228)

• 园艺科学 •

- 水分胁迫对枳壳和枳橙光合作用及细胞超微结构的影响 ..... 谢深喜,刘 强,熊兴耀等(234)
- 菲约果果实主要营养成分及游离氨基酸分析 ..... 袁德义,邹 锋,崔明杰等(239)
- 3 种发酵菌堆制木薯皮基质对黄瓜幼苗生长和光合能力的影响 ..... 王 旭,李勤奋,陈艳丽等(243)
- 甘蓝主要农艺性状的遗传相关及因子分析 ..... 方 荣,陈学军,周坤华(248)
- 苹果实生树阶段转变过程中丝氨酸羟甲基转移酶的变化 ..... 曾广娟,张新忠,李春敏(254)

• 植保科学 •

- ENSO 事件和太阳黑子活动与我国长江中下游稻区褐飞虱大发生关系的研究 ..... 舒 畅,姚英娟,曾小军等(258)
- 西南地区水稻细菌性条斑病菌的遗传多样性分析 ..... 林 琳,姬广海,马改转等(264)
- 辣椒疫霉菌对甲霜灵的敏感性测定 ..... 张海良,马辉刚,李湘民等(270)
- 应用尖孢镰刀菌培养滤液室内鉴定百合品种抗病性研究 ..... 彭绿春,杨秀梅,苏 艳等(275)
- 赣南脐橙溃疡病菌菌系分化初步研究 ..... 郭青云,李坊贞,方 玮等(278)
- 杀虫剂对黑腹果蝇毒力测定及对香菇和秀珍菇菌丝生长的影响 ..... 赵晓娜,廖慧东,罗 佳等(283)
- 蔓荆子种子带菌检测及杀菌剂消毒处理效果 ..... 罗光明,孙荣进,刘 冰等(287)

• 林业科学 •

- 小果油茶种实形态变异频率及其多样性指数分析 ..... 黄 勇,姚小华,王开良等(292)
- 毛竹竹秆基本组织发育过程中 ATP 酶的超微定位 ..... 于 芬,丁雨龙(300)
- 干旱胁迫对不同种源麻疯树幼苗生理特性的影响 ..... 谢安德,唐春红,潘启龙等(306)
- 长白山云冷杉针阔混交林林隙夏季光照特征研究 ..... 黄传响,亢新刚,王晶晶等(312)
- 红壤区受损湿地松林下 6 树种光合特性 ..... 吴统贵,曾广泉,周晓萍等(318)
- 林药间作系统石蒜叶绿素及其荧光参数日变化特征 ..... 杨志玲,杨 旭,谭梓峰等(322)
- 北亚热带天然次生林封山育林对土壤肥力质量的影响 ..... 马少杰,李正才,周本智等(328)
- 屋顶绿化候选植物——费菜的抗逆性研究 ..... 赵 歌,袁红艳,魏灵芝等(335)

• 动物科学与动物医学 •

- 化学辅助去核法对延边黄牛卵母细胞去核率及其重构胚发育率的影响 ..... 王玉涵,朱玉霞,尹 多等(340)
- 中蜂与意蜂营养杂交对其后代抗农药性能的影响 ..... 汪志平,何旭江,陈利华等(345)
- 黑龙江茴鱼(*Thymallus arcticus grubei* Dybowski) 的细胞遗传学分析 ..... 薛淑群,尹洪滨,赵吉伟(350)

• 生物技术工程 •

- 生防菌弗氏链霉菌 S-221 所产抗菌物质的抗菌活性测定 ..... 倪国荣,潘晓华,张智平等(355)
- 银杏液体悬浮细胞培养产生黄酮的研究 ..... 胡燕梅,韩晓红,周 全(360)
- 微波辅助萃取法提取家蚕幼虫总黄酮的工艺研究 ..... 彭金年,程庚金生,胡宏凯等(364)
- 传统凉果盐胚中有害和有益微生物的分离与鉴定 ..... 徐 芳,肖更生,唐道邦等(369)
- 不同类型食用菌产木素氧化酶系能力比较与分析 ..... 徐建中,胡开辉,孙淑静等(375)

• 土壤生态与农业工程 •

- 基于物元模型的川东北丘陵区土壤养分综合评价——以平昌县为例 ..... 肖玖金,马红星,王 莉等(381)
- 鄱阳湖水文特征及湖泊纳污能力季节性变化分析 ..... 金国花,谢冬明,邓红兵等(388)
- 荧光光谱检测脐橙表面敌敌畏残留试验研究 ..... 薛 龙,黎 静,刘木华等(394)

第 三 期

• 作物科学 •

不同早稻品种直播栽培的生育特性研究 .....	李木英 陈 关 石庆华 等(399)
东乡野生稻( <i>Oryza rufipogon</i> Griff.)的耐低磷能力鉴定 .....	陈小荣 陈 明 贺浩华 等(405)
施钾时期对双季早晚稻产量和稻米品质的影响 .....	才 硕 潘晓华 吴建富 等(412)
UPLC-MS/MS 测定水稻内源茉莉酸含量的研究 .....	胡 欣 王冬根 曾晓春 等(418)
烤烟产量、产值及氮肥利用率( <sup>15</sup> N)与海拔高度和移栽期的关系研究 .....	许汝冰 谢志坚 李进平 等(425)
• 园艺科学 •	
纽荷尔脐橙留树保鲜技术研究 .....	王 雄 刘善军 洪小玲 等(432)
壳聚糖处理对遂川金柑贮藏效果的影响 .....	王淑娟 陈 明 陈金印(440)
南京夏季不同叶位凤眼莲叶片光合作用的日变化及其生态因子分析 .....	丛 伟 李 霞 盛 婧 等(445)
不同供氮水平下野慈菇生物量分配及形态可塑性的研究 .....	郭 伟 邓 巍 孙 备 等(452)
• 植保科学 •	
甜菜夜蛾 <i>PAP</i> 基因克隆及在高温胁迫下其表达量的变化 .....	胡 振 龚 亮 张彦博 等(458)
植物粗提物对褐飞虱若虫的生物活性测定 .....	钟平生 梁广文 曾 玲(465)
一种新型环境友好阿维菌素微乳剂 .....	张子勇 孙旭东(469)
海南 40 种植物甲醇提取物对家蝇的活性筛选 .....	董存柱 吴清照 徐汉虹 等(476)
水稻白叶枯病菌北方菌株遗传多样性 rep-PCR 分析 .....	阙海勇 陈华民 吴茂森 等(482)
农抗 702 可湿性粉剂防治水稻病原真菌的药效评价 .....	魏赛金 徐 佳 程 新 等(488)
农抗 702 及其单体组对尖孢镰刀菌的抗菌毒力测定 .....	何 建 阮彩彪 涂晓嵘 等(493)
云南省玉米锈病发生情况调查及品种抗性测定 .....	周惠萍 李月秋 吴景芝 等(498)
• 林业科学 •	
5 种大量元素对青钱柳愈伤组织生长及黄酮类化合物积累的影响 .....	上官新晨 蒋 艳 米丽雪 等(502)
不同叶面积指数遥感反演方法对红壤丘陵地区森林的适用性分析 .....	陈 崇 朱延君 李显风 等(508)
油茶 <i>FBPase</i> 基因的全长 cDNA 克隆及序列分析 .....	谭晓凤 廖彦妮 郭静怡 等(514)
江西省广丰县森林生态系统健康状况研究 .....	王 兵 鲁少波 白秀兰 等(521)
大岗山毛竹扩张对常绿阔叶林生态系统碳储特征的影响 .....	杨清培 王 兵 郭起荣 等(529)
厚壁毛竹与毛竹的抗寒生理比较研究 .....	李 建 杨清培 方 楷 等(537)
施肥对毛竹林地土壤养分和地上生物量的影响 .....	张勇江 鲁顺保 汪 峻 等(542)
Pilodyn 评估杂交松活立木的基本密度及其性状相关分析 .....	栾启福 卢 萍 井振华 等(548)
广东南岭国家级自然保护区浙江润楠群落冻害调查研究 .....	胡晓敏 董安强 王发国 等(553)
内蒙古锡林河湿地物种多度分布格局 .....	宋爱云 孟 灵 毕晓丽(559)
• 动物科学与动物医学 •	
鸡 <i>NCOA1</i> 基因发育性表达模式的研究 .....	赵振华 黎寿丰 黄华云 等(564)
4 种常用水产药物对大鳞鲃的急性毒性试验 .....	耿龙武 徐 伟 金国雄 等(568)
利用高光谱图像技术检测鸡胴体内部粪便污染物 .....	赵进辉 涂冬成 欧阳静怡 等(573)
• 生物技术工程 •	
水稻红莲型细胞质雄性不育基因 <i>orfH79</i> 的表达对细菌生长的抑制 .....	彭晓珏 张 健 朱友林 等(578)
食用菌纤维素内切酶的分子建模与分析 .....	黄婷婷 易卓林 茹灿泉(584)
响应曲面法优化卵白蛋白抗氧化肽制备工艺研究 .....	徐明生 戴浩亮 吴少福 等(589)
茶油水酶法提取工艺初步研究 .....	孙 红 费学谦 方学智(597)
生姜水分含量的可见-近红外光谱检测 .....	吕 萍 薛 龙 何秀文 等(602)
• 生态环境及其它 •	
太湖竺山湾湿地表层沉积物重金属的分布特征及其污染评价 .....	黄玉洁 张银龙 李文朝 等(608)
7 种典型挺水植物净化生活污水中氮磷的研究 .....	杨 林 伍 斌 赖发英 等(616)
农用地分析与评价决策系统的设计与实现 .....	阮承萍 潘瑜春 戴仕明 等(622)

#### 第 四 期

• 作物科学 •	
柱花草种质植物学特征比较分析 .....	唐燕琼 李瑞梅 符少萍 等(629)
江南丘陵区不同种植模式稻田生态系统服务价值研究——以余江县为例 .....	王淑彬 王开磊 黄国勤(636)

籼粳稻米食味品质差异的相关研究 ..... 王晓玲,周治宝,余传元 等(643)

烤烟主要病害与烟叶产量产值损失量间的相关和回归分析 ..... 冯连军,朱列书,朱静娴 等(650)

梯度碱胁迫对蚕豆幼苗生理生化指标影响的研究 ..... 乔枫,耿贵工,罗桂花(655)

不同处理方式对东方百合种子萌发的影响 ..... 高娜,崔光芬,赖月群 等(660)

换锦花种胚和叶片的组织培养研究 ..... 时剑,童再康,刘志高 等(665)

南丰蜜橘品质评价指标的聚类分析 ..... 倪志华,郭娟华,辜青青 等(670)

• 植保科学 •

小麦冠腐病菌(*Fusarium pseudograminearum*) FPCS3096 菌株产孢条件的研究 ..... 李湘民,兰波,Liu Chunji 等(674)

茉莉酸甲酯对水稻幼苗抗细菌性条斑病的诱导效应 ..... 向妙莲,陈明,曾晓春 等(679)

双季超级稻病虫害发生特点及药剂防治技术 ..... 邓理楠,李保同,徐月明 等(684)

氯虫苯甲酰胺对甜菜夜蛾的亚致死效应研究 ..... 陈琼,黄水金,秦文婧(690)

• 林业科学 •

薄壳山核桃无性系果实性状指标简化研究 ..... 李川,姚小华,王开良 等(696)

乐昌含笑不同种源幼林生长性状变异和种源选择 ..... 邵文豪,姜景民,栾启福 等(701)

滇西4种山茶果实性状变异分析 ..... 靳高中,姚小华,任华东 等(707)

油茶壳基质化腐熟技术研究 ..... 罗健,谭晓风,彭彦(712)

夏秋季笋用竹种四季竹季节性光合生理特性 ..... 李迎春,李艳红,郭子武 等(719)

5种地被竹叶绿素荧光特性研究 ..... 崔晓伟,高健,张志坚 等(726)

干旱胁迫对乌桕幼苗光合色素及光合性能的影响 ..... 金雅琴,张丽娟,李冬林 等(731)

擎天树木材干燥特性研究 ..... 邱炳发,符韵林,蒙好生 等(738)

农牧交错区植被特征及多样性对干扰的响应研究 ..... 程中秋,张克斌,孙喜旺 等(743)

澳大利亚亚热带不同森林土壤有机质及呼吸特性研究 ..... 鲁顺保,陈成榕,徐志红 等(749)

• 动物科学与动物医学 •

番鸭产肉性能、肉品质和血液生化性状间的典型相关分析 ..... 徐琪,张扬,李秀 等(756)

重组鸡 IL-18 对新城疫疫苗免疫增强作用的研究 ..... 赵敏,张春杰,程相朝 等(761)

公猪射精过程不同阶段精液精子密度和精液量的变化 ..... 幸宇云,吴延博,杨明 等(765)

副猪嗜血杆菌江西株的分离鉴定及生物学特性研究 ..... 宋德平,肖根辉,王萍 等(769)

黄鳝组织脂肪含量变动规律研究 ..... 周秋白,谢熙清,李有根(774)

四种常用渔药对泥鳅苗种急性毒性试验 ..... 王雨辰,胡廷尖,刘士力 等(781)

东北三省15株致病性嗜水气单胞菌分离株的药敏实验分析 ..... 司力娜,李绍戊,王荻 等(786)

马氏珠母贝脂肪酸和醚溶性成分的GC-MS分析 ..... 刘娟花,纪丽丽,宋文东 等(791)

南昌市城市鸟类群落结构与多样性分析 ..... 汪志如,廖为明,孙志勇 等(796)

• 生物技术与工程 •

两株金针菇航天诱变菌株耐高温和早熟性栽培研究 ..... 周庆红,杨寅桂,曾勇军 等(801)

一株产庆大霉素B的绛红小单孢菌的分类鉴定 ..... 王飞,高辉,涂国全(806)

长喙田菁*SrPCS1*的原核表达及多抗血清的制备 ..... 李安明,邓青云,李德华(812)

土壤微生物絮凝剂菌株的筛选及其培养条件优化 ..... 刘小真,梁越,汪月华 等(817)

紫红薯多糖的提取纯化及抗氧化作用研究 ..... 李翔,上官新晨,蒋艳 等(823)

应用激光诱导击穿光谱定量分析脐橙中的金属元素 ..... 李秋连,姚明印,胡淑芬 等(830)

第 五 期

• 作物科学 •

机械化稻草全量还田对水稻产量和土壤碳库管理指数的影响 ..... 吴建富,曾研华,潘晓华 等(835)

机械化稻草全量还田下双季早稻生长发育、产量及品质的响应 ..... 曾研华,吴建富,何虎 等(840)

东乡野生稻渗入系苗期抗旱遗传及生理机制初步分析 ..... 付学琴,贺浩华,罗向东 等(845)

水稻磷脂酶A活性测定方法的研究 ..... 雷享亮,曾晓春(851)

青稞“昆仑12号”*HVA1*基因的克隆与蛋白质结构预测 ..... 姚晓华,邓晓青,吴昆仑 等(855)

抗虫杂交棉铃性状与单铃重的关系分析 ..... 汤飞宇,王晓芳,莫旺成 等(861)

密集烘烤定色期升温速度对上部烟叶吸食品质的影响..... 詹军 李伟 王涛 等(866)

密集烤房装烟密度和变黄期风机转速对烟叶淀粉降解及经济性状的影响 ..... 马力 宋朝鹏 段史江 等(873)

• 园艺科学 •

雄性不育枸杞几种物质含量动态变化 ..... 郑蕊 岳思君 韩璐 等(880)

污泥堆肥对矮牵牛生长发育的影响 ..... 肖祖飞 赖发英 马晓蒙 等(885)

• 植保科学 •

柑橘病害生防放线菌的分离筛选及抑菌作用研究..... 刘冰 黎园 丁莎 等(889)

抗根肿病大白菜小孢子培养优化条件研究 ..... 胡靖锋 戴永娟 汪 骞 等(893)

• 林业科学 •

天目山柳杉树干液流动态及其与环境因子的关系 ..... 蒋文伟 郭运雪 杨淑贞 等(899)

赣系油茶 10 个无性系始果期果实性状分析 ..... 彭丽梅 张 露 胡冬南 等(906)

油茶优良无性系光合日进程及其与环境因子关系的研究 ..... 夏尚光 肖正东 丁增发 等(911)

黄竹叶片营养与土壤肥力及产量的相关研究 ..... 涂淑萍 叶长娣 王 蕾 等(918)

厚壁毛竹非结构性碳水化合物分配格局 ..... 刘 骏 杨清培 杨光耀 等(924)

椴竹等 3 个福建乡土竹种的化学成分分析 ..... 郑 蓉(929)

GIS 技术在场级森林经营管理中应用研究——以临川区魏坊林场为例 ..... 蔡学林 张志云 张天海 等(933)

• 动物科学与动物医学 •

猪 *FBXL8* 基因第二内含子的克隆测序及 SNP 位点检测 ..... 李 勇 杨述林 崔文涛 等(938)

稻草补饲百脉根瘤胃体外发酵及微生物蛋白合成的组合效应研究 ..... 张吉鸮 邹庆华 王金芬 等(942)

添加松针粉对肉鸡屠宰性能、器官指数及肉品质的影响 ..... 熊春梅 郭爱伟 吴培福 等(949)

肉苁蓉及淫羊藿对小鼠早期胚胎体外发育的影响 ..... 谢 安 厉世伟 李 龙 等(955)

饲料蛋白水平对中华蜜蜂春繁性能及幼虫抗氧化性能的影响 ..... 刘俊峰 吴小波 颜伟玉 等(960)

罗非鱼创伤弧菌的分离鉴定和药敏试验 ..... 黎 炯 叶 星 卢迈新 等(965)

暗纹东方鲀微卫星筛选和群体遗传多样性分析 ..... 程长洪 张敏莹 刘 凯 等(971)

饲料酵母对大菱鲂生长及肠道显微结构的影响..... 崔 敏 郭 冉 夏 辉 等(976)

• 生物技术与工程 •

链霉菌 702 抗尖孢镰刀菌次级代谢产物的分离鉴定及活性研究 ..... 魏赛金 张智平 涂晓嵘 等(982)

粘质沙雷氏菌中乙偶姻合成途径基因克隆、序列分析及表达 ..... 张燎原 孙建安 魏东芝 等(987)

经基因工程改造的花生主要过敏原 *Ara h 2* 制备及其低致敏原性鉴定 ..... 易海涛 刘 芳 贾梦阳 等(993)

无花果干提取液抑菌活性的研究 ..... 郭紫娟 张凤英 董开发 等(999)

红平菇 (*Pleurotus diamor*) 培育条件和栽培技术研究 ..... 熊 芳 朱 坚 邓优锦 等(1006)

响应面法优化超声辅助提取姜辣素的工艺..... 杨小敏 刘建平 李倩倩 等(1012)

• 土壤与生态科学 •

大港河小流域土地利用方式对土壤肥力影响的研究 ..... 王振平 余 辉 汪怀建 等(1017)

南昌青山湖浮游植物种群特征分析..... 夏润林 杨竹青 王自蕊 等(1023)

简讯: 我校校长黄路生教授获“‘十一五’国家科技计划执行突出贡献奖” ..... (941)

简讯: 我校 2011 年获 40 项国家自然科学基金项目 ..... (1030)

第 六 期

• 作物科学 •

施氮量对免耕抛栽稻产量及氮素吸收利用的影响 ..... 吴建富 潘晓华 石庆华(1031)

干旱对烤烟团棵期的光合特性影响研究..... 周紫燕 李晓斐 丁雪丹 等(1037)

土壤及气候对烤烟非挥发性有机酸含量影响的效应分析 ..... 李 强 周冀衡 杨荣生 等(1043)

土壤类型对烤烟非挥发性有机酸组成含量的影响——以云南保山施甸为例 ..... 尹光庭 周冀衡 匡 勇 等(1050)

青海不同生态环境下蚕豆蛋白亚基差异性研究 ..... 石建斌,侯万伟,刘玉皎,等(1056)

• 园艺科学 •

干旱胁迫下烯效唑对矮牵牛幼苗水分状况和光合特性的影响 ..... 李宁毅,宋妍,韩晓芳(1062)

丁香提取液对脐橙采后生理相关酶活性的影响 ..... 张阿珊,曾荣,陈金印,等(1067)

热激处理对东方百合种球冷藏生理的影响 ..... 方少忠,郭文杰,蔡宣梅,等(1072)

• 植保科学 •

21 种茎叶处理除草剂对刺萼龙葵的生物活性研究 ..... 张少逸,魏守辉,李香菊,等(1077)

绿草定-2-丁氧基乙酯对竹林土壤微生物的影响 ..... 崔海军,吴晓丽,章忠军,等(1082)

• 林业科学 •

冬季大叶黄杨光合电子传递动力学室内恢复机制研究 ..... 钟传飞,高荣孚,朱俊英,等(1088)

4 个女贞品种抗寒性比较 ..... 郝明灼,韩明慧,彭方仁,等(1094)

温度与含水量对金钱松种子贮藏的影响 ..... 解楠楠,骆文坚,姜琴,等(1100)

毛竹成竹过程中内源激素动态变化 ..... 方楷,杨光耀,杨清培,等(1107)

茶油储藏条件对酸价和过氧化值的影响 ..... 丁明,费学谦(1112)

油茶籽油水酶法制取机制的显微研究 ..... 孙红,费学谦,方学智,等(1117)

施肥量对油茶嫁接苗生长的影响 ..... 龙伟,姚小华,王开良,等(1122)

白花树不同种源苗木光合-CO<sub>2</sub> 响应 ..... 赵勋,李因刚,柳新红,等(1128)

光照强度对白掌试管苗生长的影响 ..... 郭子霞,尚文倩,闫新房,等(1134)

珍稀林药植物齿瓣石斛芽增殖和快繁研究 ..... 崔秋华,孙永玉,李昆,等(1139)

珍稀藏药桃儿七组织培养研究 ..... 叶耀辉,张文雪,张寿文,等(1144)

亚热带季风区不同林型可燃物理化性质及燃烧性研究 ..... 祝必琴,黄淑娥,田俊,等(1149)

基于森林资源二类调查数据的森林资源质量评价——以江西安福县明月山林场为例 ..... 张邦文,郑世跃,欧阳勋志,等(1155)

• 动物科学与动物医学 •

江西地方鸡的系统进化及遗传多样性研究 ..... 武艳平,霍俊宏,刘林秀,等(1160)

鸡胚小肠上皮细胞的分离及原代培养研究 ..... 洪智敏,贾永杰,瞿明仁,等(1164)

松辽白鹅 *Myf5* 基因多态性与生产性能相关研究 ..... 吴俊波,朴海仙,金一等(1171)

日粮蛋白质水平对浙农大 1 号意大利蜜蜂产浆及咽下腺发育的影响 ..... 王改英,李振,杨维仁,等(1176)

用 5'LongSAGE 标签产生的长 cDNA 片段分析西方蜜蜂 (*Apis mellifera*) 基因座 LOC727225 的选择性剪接 ..... 孙亮先,欧阳昊,郑华军,等(1181)

哲罗鲑、细鳞鲑及杂交种(哲罗鲑♀×细鳞鲑♂)遗传结构的 SRAP 分析 ..... 许凌雪,匡友谊,佟广香,等(1187)

4 种免疫相关酶在鲟鱼组织内的分布及活性比较 ..... 王荻,李绍戊,刘红柏,等(1195)

• 生物技术与工程 •

UHS-拟蜘蛛拖丝蛋白基因转染小鼠成纤维细胞及其鉴定 ..... 王春生,李晶,宁方勇,等(1202)

吴茱萸 SOD 基因片段克隆和 SNP 分析 ..... 吴波,高丹,潘超美,等(1206)

两株分解除草剂丁·苯的双效菌株筛选、鉴定及其降解特性研究 ..... 刘军,霍光华(1212)

重组 AiiA 蛋白可溶性表达及发酵条件优化 ..... 杨彩云,杜慈,黄平等(1219)

球孢白僵菌 Bb III22 固态发酵条件的优化 ..... 邓小军,周国英,刘君昂,等(1228)

• 土壤与生态科学 •

凋落物管理和城市环境胁迫对湿地松林土壤氮素矿化过程的耦合效应 ..... 沈文清,余明泉,胡小飞,等(1236)

玛纳斯河流域土壤盐渍化现状及其与光谱关系研究 ..... 李娜,吴玲,王绍明,等(1242)

不同人工湿地填料对水体中总磷的吸附特性分析 ..... 邹新,简敏菲,史晓燕,等(1248)

鄱阳湖地区农业资源利用分区研究 ..... 李晋明,赵小敏,张军,等(1252)

官山自然保护区勺鸡冬季栖息地选择 ..... 刘鹏,顾署生,黄晓凤,等(1257)

农村老人主观幸福程度影响因素的实证研究——以江西调查样本为例 ..... 杨人平,康小兰(1263)

## Contents

### No 1

An comparison of the responses of Dongxiang wild rice and a cultivated rice line “Lianxiangzao” to drought stress .....	TANG Li ,YANG Zheng-wei ,QIU Bing-yu , et al( 1)
Validation and identification of parameters of precision nitrogen application in double-cropping rice .....	CHEN Ai-zhong ,PAN Xiao-hua ,WU Jian-fu et al( 6)
Effects of planting densities and fertilizer application levels on the chlorophyll contents in functional leaf and the grain yield and quality of oilseed rape ( <i>Brassica napus</i> L. ) .....	WANG Ji-yue ,SONG Hai-xing ,GUAN Chun-yun et al( 13)
The impact of barricade herbicide residual in soil on growth of ryegrass .....	LI Zhan-sheng ,TAN Wei-jun ,ZHANG Hai-juan et al( 18)
Effect of low concentration cadmium on the growth and accumulation of nutrient elements in pakchoi .....	ZHANG Ju-ping ,CUI Wen-peng ,JIAO Xin-ju et al( 22)
A study on the effecting factors in Lily tissue bulb culture .....	ZHANG Yi-ping ,CUI Guang-fen ,WANG Ji-hua et al( 29)
Deduction of resistant genotype of 211 rice varieties against <i>Magnaporthe oryzae</i> in Jiangxi Province .....	LI Xiang-min ,WU Shu-xiu ,LAN Bo et al( 32)
Bioactivity of several bactericides against <i>Xanthomonas campestris</i> pv. <i>citri</i> .....	SUN Hui-min ,LI Bao-tong ,GUO Min-cheng et al( 38)
Rapid detection of <i>Cucumber green mottle mosaic virus</i> by RT – PCR .....	ZHANG Wei-dong ,QUAN Yong-bing ,LIAO Li et al( 43)
The analysis of cold resistances of introduced <i>Eucalyptus</i> at the seedling stage .....	ZHANG Lu ,ZHANG Jun-hong ,WEN Zhong-hui et al( 47)
Composition of stable carbon isotope of <i>Phyllostachys edulis</i> and <i>Cunninghamia lanceolata</i> and their indications for water use efficiency in the middle subtropics .....	DING Fang-jun ,WANG Bing ,GUO Hao et al( 52)
Study on relationship between the tree composition and yield of <i>Camellia oleifera</i> .....	PAN Hua-ping ,LIU Jun-ang ,ZHOU Guo-ying( 58)
Simulation of species diversity in <i>Phyllostachys edulis</i> forest responses to the habitat destruction due to intensive management .....	YANG Qing-pei ,SHI Pei-jian ,WANG Bing et al( 63)
Soil properties of different <i>Phyllostachys pubescens</i> forests with soil reclamation .....	LIU Guang-lu ,FAN Shao-hui ,QI Liang-hua et al( 68)
A study on fire – resistance of mountain tree species in Jiangxi .....	XIAO Jin-xiang ,HUANG Ya-zhe ,LI Dong , et al( 76)
Techniques for rooting cuttings of <i>Acacia auriculiformis</i> .....	YI Min ,HUANG Lie-jian ,CHEN Zu-xu et al( 84)
Effects of planting techniques on the yield of <i>Callicarpa kwangtungensis</i> chun. ....	LIN Xiao-fan ,ZHU Pei-lin ,LUO Kun-shui et al( 90)
Effects of zinc resources and levels in diet on the contents of copper , zinc in serum and tissues of weanling piglets .....	ZHANG Cai-ying ,GUO Xiao-quan ,HU Guo-liang et al( 96)
Changes and correlations of landrace muscle pH , glycogen , lactic acid and TBA in different storage conditions .....	GUO Jian-feng ,WU Ying ,WANG Ji-ying et al( 100)
Establishment and application of RT – nPCR detection of swine hepatitis E virus .....	ZHANG Xu ,LUO Huo-liang ,ZHANG Wen-bo et al( 107)
Multiple regression analysis on milk yield and milk composition of dairy cow .....	ZHANG Qiao-e ,WU Xue-rong ,MA Shui-yu et al( 112)
Analysis on association of C1704887T and C1715301T sites of <i>VIPR – 1</i> gene with reproduction traits in Qingyuan partridge chicken .....	ZHOU Min ,SHEN Xu ,LI Ying et al( 117)
Analysis of mixed major-gene with polygenes genetic model for chicken body weight at 12 weeks age .....	WANG Ke-hua ,ZHANG Yuan-ming ,QU Liang et al( 123)
Cloning and sequence analysis of the $\sigma^{NS}$ gene of muscovy duck reovirus YB strain .....	WU Yi-jian ,WANG Shao ,HUANG Yi-fan et al( 128)
The effects of three kinds of artificial diet on spring multiplication of <i>Apis cerana cerana</i> .....	LIU Jun-feng ,LIU Guang-nan ,YAN Wei-yu , et al( 137)
Optimization of technology for extracting antimicrobial components from stems of <i>Impatiens balsamina</i> .....	ZENG Rong ,CHEN Jin-yin ,ZHANG A-shan et al( 141)
Comparison of different methods for total RNA extraction from pueraria earthnut .....	XIAO Xu-feng ,JIANG Wen-xuan ,WU Cai-jun , et al( 147)
A study on the extraction of flavonoids in soybean pods with surfactant and microwave .....	WANG Chun-rong ,ZHENG Guo-dong ,YAN Xian-zai( 151)
Studies on hypolipemic effect of <i>Cyclocarya paliurus</i> ( <i>Batal</i> ) <i>ljinskaja</i> Polysaccharide .....	HUANG Ming-guan ,SHANGGUAN Xin-chen ,XU Ming-sheng et al( 157)
Molecular evolution analysis of GPAT and SOD genes in citrus and other plants .....	WU Bo ,LIU Yong( 162)
An analysis of albumin and globulin of Qinghai Faba bean varieties with SDS – PAGE .....	LI Ping ,HOU Wan-wei ,YAN Qing-biao et al( 168)
Studies on the bleaching technology of purple <i>Ipomoea batatas</i> dietary fiber .....	WU Shao-fu ,JIANG Yan ,SHANGGUAN Xin-chen et al( 173)
New baking technology for unhulled peanuts .....	ZHU Shui-lan ,LEI Song ,FENG Jian-xiong et al( 178)
Estimation of the economic losses caused by soil erosion in Zhuxi small watershed by GIS and USLE .....	LIN Hui-hua ,WU Guo-sheng ,ZHU He-jian et al( 183)
Detection of nighttime fog using NOAA/AVHRR data .....	FAN Jian-yong ,HUANG Ling ,ZHU Bi-qin et al( 189)
The evolution of appearance quality characteristics of banana with mechanical damage .....	XU Feng-ying ,WU Guang-huo ,ZOU Xiang-jun et al( 194)
The design of the hydraulic system of the tea garden walk chassis .....	WANG Zhong-yu ,DING Wei-min ,XIAO Hong-tu et al( 200)

- Genetic analysis of culm thickness trait in rice grown in different seasons ..... CHEN Xiao-rong, CHEN Zhi-bing, HE Hao-hua, et al (205)
- Characteristics of the differentiation and retrogression of branch and spikelet in indica hybrid rice restoring lines and their F<sub>1</sub> ..... ZHONG Lei, HE Hu, PAN Xiao-hua (211)
- An analysis on grain proteome map of rice under nutrition deficient stress ..... TANG Xiu-ying, SHAO Cai-hong, XIE Jin-shui (217)
- Comparative testing of flue-cured tobacco varieties introduced from zimbabwe at low and mid altitude regions in Yunnan ..... WU Xing-fu, XIAO Bing-guang, CUN Jin-fen et al (222)
- A study on the forage yield and quality of *Bromus cartharticus* in mixture and single pasture ..... TIAN Hong, LIU Yang, ZHANG He-shan et al (228)
- Influences of water stress on citrus photosynthesis characteristic and cell ultra-structure ..... XIE Shen-xi, LIU Qiang, XIONG Xing-yao et al (234)
- A study on fruit nutritional components and free amino acid composition of *Feijoa sellowiana* ..... YUAN De-yi, ZOU Feng, CUI Ming-jie et al (239)
- Effects of cassava bark substrate with three microbial fermentation agents on growth and photosynthetic capacity of cucumber seedlings ..... WANG Xu, LI Qin-fen, CHEN Yan-li et al (243)
- Genetic analysis of main agronomic traits in cabbage ..... FANG Rong, CHEN Xue-jun, ZHOU Kun-hua (248)
- Changes of serine hydroxymethyltransferase during phase change in apple (*Malus domestica* Borhk.) ..... ZENG Guang-juan, ZHANG Xin-zhong, LI Chun-min (254)
- A study on relationship between ENSO event, activity of sunspot and outbreak of *Nilaparvata lugens* in middle and lower reaches of Yangtze River ..... SHU Chang, YAO Ying-juan, ZENG Xiao-jun et al (258)
- Genotypic diversity analysis of *Xanthomonas oryzae* pv. *oryzicola* in Southwest China by Rep-PCR ..... LIN Lin, JI Guang-hai, MA Gai-zhuan et al (264)
- A study on sensitivity of *Phytophthora capsici* to metalaxyl ..... ZHANG Hai-liang, MA Hui-gang, LI Xiang-min et al (270)
- A study on aseptic identification of the resistance of lily varieties to toxin filtrate from *Fusarium oxysporum* f. sp. *Lilii* ..... PENG Lv-chun, YANG Xiu-mei, SU Yan et al (275)
- A preliminary study on differentiation of strains of *Xanthomonas axonopodis* pv. *Citri* in Gannan navel orange ..... GUO Qing-yun, LI Fang-zhen, FANG Wei, et al (278)
- Toxicities of 4 insecticides to *Drosophila melanogaster* and their effects on growth of *Leptinus edodes* and *Pleurotus geesteranus* ..... ZHAO Xiao-na, LIAO Hui-dong, LUO Jia et al (283)
- Testing of seed-borne fungi in *Vitex trifolia* L. var. *simplicifolia* Cham seed and disinfection effect of seven fungicides on seed-borne fungi ..... LUO Guang-ming, SUN Rong-jin, LIU Bing et al (287)
- Analysis on variation frequency of fruits and seed characteristics and diversity index in *Camellia meiocarpa* Hu ..... HUANG Yong, YAO Xiao-hua, WANG Kai-liang et al (292)
- Ultrastructural localization of ATPase during the ground tissue development in *Phyllostachys edulis* culms ..... YU Fen, DING Yu-long (300)
- Effects of drought stress on physiological characteristics in seedlings of different *Jatropha curcas* provenances ..... XIE An-de, TANG Chun-hong, PAN Qi-long et al (306)
- Characteristics of light intensity in summer in the gaps in the mixed spruce-fir forest in Changbai Mountain ..... HUANG Chuan-xiang, KANG Xin-gang, WANG Jing-jing et al (312)
- Photosynthetic characteristics of 6 trees under *Pinus elliotii* forest in Red Soil Regions ..... WU Tong-gui, ZENG Guang-quan, ZHOU Xiao-ping et al (318)
- Chlorophyll content and diurnal variation characteristics of chlorophyll fluorescence of *Lycoris radiata* under inter-planting system of forestry and medicinal herb ..... YANG Zhi-ling, YANG Xu, TAN Zi-feng et al (322)
- Effects of hill closing for forestation on soil fertility quality in north subtropical areas ..... MA Shao-jie, LI Zheng-cai, ZHOU Ben-zhi, et al (328)
- A study of stress tolerance of a candidate plant—*Sedum aizoon* L. for green roof ..... ZHAO Ge, YUAN Hong-yan, WEI Ling-zhi, et al (335)
- Effects of chemically assisted enucleation on the enucleation rate of Yanbian cattle oocytes and the development of their reconstructed embryos ..... WANG Yu-han, ZHU Yu-xia, YIN Duo et al (340)
- The effect of nutritional crossbreeding between *Apis cerana cerana* and *Apis mellifera ligustica* on anti-pesticide performance ..... WANG Zhi-ping, HE Xu-jiang, CHEN Li-hua, et al (345)
- Cytogenetic analysis of *Thymallus arcticus grubei* Dybowski ..... XUE Shu-qun, YIN Hong-bin, ZHAO Ji-wei (350)
- Determination of the antimicrobial activity of antibacterial substances produced by biocontrol bacteria *Streptomyces fradiae* var S-221 ..... NI Guo-rong, PAN Xiao-hua, ZHANG Zhi-ping et al (355)
- A study on the flavonoids production by *Ginkgo biloba* suspension cell culture ..... HU Yan-mei, HAN Xiao-hong, ZHOU Quan (360)
- A study on optimum technology for extracting total flavonoids from silkworm larvae by microwave-assisted extraction ..... PENG Jin-nian, CHENG Geng Jin-sheng, HU Hong-kai et al (364)
- The separation and identification of harmful and beneficial microorganisms from traditional preserved fruit ..... XU Fang, XIAO Geng-sheng, TANG Dao-bang et al (369)
- The comparison and analysis of the producing ability of the ligninolytic enzyme system in different types of edible fungi ..... XU Jian-zhong, HU Kai-hui, SUN Shu-jing et al (375)
- Comprehensive evaluation of nutrients based on matter-element model in the northeastern sichuan basin—A case of Pingchang County in Sichuan Province ..... XIAO Jiu-jin, MA Hong-xing, WANG Li et al (381)



- On seasonal hydrographic variety and environmental capacity of Poyang Lake ..... JIN Guo-hua , XIE Dong-ming , DENG Hong-bing et al( 388)
- A study on detection of dichlorvos residue on navel orange surface by means of fluorescence spectrum ..... XUE Long , LI Jing , LIU Mu-hua et al( 394)

## No 3

- A study on the growth characteristics of different varieties of early rice as the direct-seeded plant ..... LI Mu-ying , CHEN Guan , SHI Qing-hua , et al( 399)
- Identification of low-phosphorus-tolerance in Dongxiang wild rice (*Oryza rufipogon* Griff.) ..... CHEN Xiao-rong , CHEN Ming , HE Hao-hua et al( 405)
- Effects of potassium application time on yield and rice quality of double season rice ..... CAI Shuo , PAN Xiao-hua , WU Jian-fu et al( 412)
- Quantification of endogenous jasmonic acid in rice with UPLC-MS/MS ..... HU Xin , WANG Dong-gen , ZENG Xiao-chun , et al( 418)
- A study on relationships between yields , market values , <sup>15</sup>N using efficiency of flue-cured tobacco and altitude height & transplanting date ..... XU Ru-bing , XIE Zhi-jian , LI Jin-ping et al( 425)
- Studies on on-tree storage technology of Newhall navel orange ..... WANG Xiong , LIU Shan-jun , HONG Xiao-ling et al( 432)
- Effects of chitosan treatment on storage of Suichuan kumquat fruit ..... WANG Shu-juan , CHEN Ming , CHEN Jin-yin( 440)
- The diurnal variation of photosynthesis of water hyacinth leaves in different positions in summer of Nanjing and its ecological factors ..... CONG Wei , LI Xia , SHENG Jing et al( 445)
- A study on biomass allocation and morphological plasticity of *Sagittaria trifolia* L. under different nitrogen levels ..... GUO Wei , DENG Wei , SUN Bei , et al( 452)
- Cloning and expression of *PAP* cDNA in the larvae of beet armyworm , *Spodoptera exigua* (Lepidoptera: Noctuidae) under high temperature stress ..... HU Zhen , GONG Liang , ZHANG Yan-bo et al( 458)
- Biological activity of alcohol extracts of plants on nymphs of brown planthopper , *Nilaparvata lugens* ..... ZHONG Ping-sheng , LIANG Guang-wen , ZENG Ling( 465)
- A new environment-friendly avermectin microemulsion formulation ..... ZHANG Zi-yong , SUN Xu-dong( 469)
- Insecticidal activity of the extracts from 40 species of plants in Hainan Island against *Musca domestica* Linnaeus ..... DONG Cun-zhu , WU Qing-zhao , XU Han-hong et al( 476)
- Rep-PCR analysis of genotypic diversity of *Xanthomonas oryzae* pv. *oryzae* strains from North China ..... QUE Hai-yong , CHEN Hua-min , WU Mao-sen et al( 482)
- Evaluation of Ag-antibiotic 702 WP against pathogenic fungi of rice ..... WEI Sai-jin , XU Jia , CHENG Xin , et al( 488)
- A study on antibiotic toxicity of Ag-antibiotic 702 and its monomers to *Fusarium oxysporum* f. sp. *cubense* ..... HE Jian , RUAN Cai-biao , TU Xiao-rong et al( 493)
- Investigation of corn rust and evaluation of cultivar resistance in Yunnan ..... ZHOU Hui-ping , LI Yue-qiu , WU Jing-zhi et al( 498)
- Effects of five macronutrients on the growth and flavonoids accumulation of *Cyclocarya paliurus* Callus ..... SHANGGUAN Xin-chen , JIANG-Yan , MI Li-xue et al( 502)
- The applicability of different methods for retrieving leaf area index of forests in red soil hilly regions ..... CHEN Chong , ZHU Yan-jun , LI Xian-feng et al( 508)
- Cloning and sequence analysis of *FBPase* gene from *Camellia oleifera* ..... TAN Xiao-feng , CAO Yan-ni , GUO Jing-yi et al( 514)
- A study on health assessment of forest ecosystem in Guangfeng , Jiangxi Province ..... WANG Bing , LU Shao-bo , BAI Xiu-lan , et al( 521)
- Effects of *Phyllostachys edulis* expansion on carbon storage of evergreen broad-leaved forest in Dagangshan Mountain , Jiangxi ..... YANG Qing-pei , WANG Bing , GUO Qi-rong et al( 529)
- Studies on physiological characters of cold resistance of *Phyllostachys edulis* 'Pachyloen' and *Phyllostachys edulis* ..... LI Jian , YANG Qing-pei , FANG Kai et al( 537)
- Effects of fertilization on soil nutrients and aboveground biomass of moso bamboo forest ..... ZHANG Yong-jiang , LU Shun-bao , WANG Jun , et al( 542)
- Assessment of wood basic density for standing trees of hybrid pines by pilodyn and the correlation analysis of several traits ..... LUAN Qi-fu , LU Ping , JING Zheng-hua , et al( 548)
- Frostbite investigation of *Machilus chekiangensis* community in Nanling National Nature Reserve , Guangdong ..... HU Xiao-min , DONG An-qiang , WANG Fa-guo et al( 553)
- A study on the pattern of wetland species abundance distribution in Xilin River ..... SONG Ai-yun , MENG Ling , BI Xiao-li( 559)
- Developmental expression patterns of *NCOA1* gene in chicken ..... ZHAO Zhen-hua , LI Shou-feng , HUANG Hua-yun et al( 564)
- Acute toxicity test of 4 common drugs on *Barbus capito* ..... GENG Long-wu , XU Wei , JIN Guo-xiong et al( 568)
- Detection of internal fecal contaminants of chicken carcasses using hyperspectral imaging technology ..... ZHAO Jin-hui , TU Dong-cheng , OUYANG Jing-yi , et al( 573)
- Expression of a mitochondrial gene *orfH79* from the CMS-Honglian rice inhibiting the growth of *Escherichia coli*. ..... PENG Xiao-jue , ZHANG Jian , ZHU You-lin et al( 578)
- Molecular modeling and analyses of the endoglucanases from edible fungi ..... HUANG Ting-ting , YI Zhuo-lin , MAO Can-quan( 584)
- Optimization of enzymatic hydrolysis of ovalbumin for production of antioxidant peptides using response surface methodology ..... XU Ming-sheng , DAI Hao-liang , WU Shao-fu et al( 589)
- A preliminary study on the extraction technology of oil-tea camellia seed oil by aqueous enzymatic method ..... SUN Hong , FEI Xue-qian , FANG Xue-zhi( 597)
- Prediction of ginger moisture content using visual near-infrared spectroscopy ..... LV Ping , XUE Long , HE Xiu-wen et al( 602)
- Distribution characteristics and pollution assessment of heavy metals in the surface sediments in Zhushan Bay ..... HUANG Yu-jie , ZHANG Yin-long , LI Wen-chao et al( 608)

Studies on seven typical emerging plants absorbing nitrogen and phosphorus in constructed wetlands ..... YANG Lin , WU Bin , LAI Fa-ying et al( 616)

Design and implementation of farmland analysis and evaluation decision-making system ..... RUAN Cheng-ping , PAN Yu-chun , DAI Shi-ming et al( 622)

No 4

Variances of botanical morphological characteristics of *Stylosanthes* germplasms ..... TANG Yan-qiong , LI Rui-mei , FU Shao-ping , et al( 629)

A study on ecosystem service value of paddy fields in multiple cropping systems in southern hilly areas of China——taking Yujiang County as an example ..... WANG Shu-bin , WANG Kai-lei , HUANG Guo-qin( 636)

A study on eating quality difference between indica and japonica rice ..... WANG Xiao-ling , ZHOU Zhi-bao , YU Chuan-yuan et al( 643)

Correlation and stepwise regression analysis on the loss of leaf yields and output value under three main diseases ..... FENG Lian-jun , ZHU Lie-shu , ZHU Jing-xian , et al( 650)

A study on physiological and biochemical characteristics of *Vicia faba* L. seedlings under alkali stress ..... QIAO Feng , GENG Gui-gong , LUO Gui-hua( 655)

Effects of different treatments on the germination of *Oriental lily* seeds ..... GAO Na , CUI Guang-fen , LAI Yue-qun , et al( 660)

Tissue culture of leaves and embryo in *Lycoris sprengeri* ..... SHI Jian , TONG Zai-kang , LIU Zhi-gao et al( 665)

Cluster analysis of fruit quality evaluation indices of Nanfeng tangerine ..... NI Zhi-hua , GUO Juan-hua , GU Qing-qing et al( 670)

Studies on conditions for sporulation of pathogen *Fusarium pseudograminearum* ..... LI Xiang-min , LAN Bo , LIU Chun-ji , et al( 674)

Effects of methyl jasmonate on induced resistance of rice seedlings against bacterial leaf stripe ..... XIANG Miao-lian , CHEN Ming , ZENG Xiao-chun , et al( 679)

Studies on the occurrence characters of the diseases and pest insects in double-cropping super rice and the control techniques ..... DENG Li-nan , LI Bao-tong , XU Yue-ming et al( 684)

Sublethal effects of chlorantraniliprole on *Spodoptera exigua* ..... CHEN Qiong , HUANG Shui-jin , QIN Wen-jing( 690)

A study on simplifying the indices of the clone fruit characters of *Carya illinoensis* ..... LI Chuan , YAO Xiao-hua , WANG Kai-liang et al( 696)

A study on variation of growth traits in young *Michelia chapensis* forest and provenances selection ..... SHAO Wen-hao , JIANG Jing-min , LUAN Qi-fu et al( 701)

Analysis of fruit character variation of four *Camellia* in west Yunnan ..... JIN Gao-zhong , YAO Xiao-hua , REN Hua-dong , et al( 707)

A study on the composting technology for camellia shell medium ..... LUO Jian , TAN Xiao-feng , PENG Yan( 712)

Seasonal variation of photosynthesis characteristics of *Oligostachyum lubricum* ..... LI Ying-chun , LI Yan-hong , GUO Zi-wu et al( 719)

Chlorophyll fluorescence characteristics of five dwarf bamboos ..... CUI Xiao-wei , GAO Jian , ZHANG Zhi-jian , et al( 726)

Effect of drought stress on photosynthetic pigment and photosynthesis of *Sapium sebiferum* seedlings ..... JIN Ya-qin , ZHANG Li-juan , LI Dong-lin et al( 731)

A study on wood drying characteristics of *Shorea chinensis* ..... QIU Bin-fa , FU Yun-lin , MENG Hao-sheng et al( 738)

A study on the response of vegetation features and diversity to disturbance in the farming-pastoral ecotone ..... CHENG Zhong-qiu , ZHANG Ke-bin , SUN Xi-wang , et al( 743)

Soil organic matter and respiration of different subtropical forests in Australia ..... LU Shun-bao , CHEN Cheng-rong , XU Zhi-hong et al( 749)

Canonical correlation analysis of carcass traits , meat quality traits and blood biochemical traits in muscovy ..... XU Qi , ZHANG Yang , LI Xiu et al( 756)

Effect of recombinant chicken IL-18 on NDV vaccine as immunopotentiator ..... ZHAO Min , ZHANG Chun-jie , CHENG Xiang-chao , et al( 761)

The differences in sperm concentration and semen volume in different segments in one boar ejaculation ..... XING Yu-yun , WU Yan-bo , YANG Ming , et al( 765)

Isolation , identification and characterization in biology of *Haemophilus parasuis* in Jiangxi Province ..... SONG De-ping , XIAO Gen-hui , WANG Ping , et al( 769)

A study on the dynamics of the lipid content in tissues of rice field eel , *Monopterus albus* ..... ZHOU Qiu-bai , XIE Xi-qing , LI You-gen( 774)

The acute toxicity of four aquacultural chemicals to the fingerlings and fry of loach ..... WANG Yu-chen , HU Ting-jian , LIU Shi-hi et al( 781)

Drug sensitivity test on fifteen strains of pathogenic *Aeromonas hydrophila* from Northeast China ..... SI Li-na , LI Shao-wu , WANG Di , et al( 786)

A GC/MS analysis of fatty acid and ether-soluble components in *Pinctada martensii* flesh by GC/MS ..... LIU Juan-hua , JI Li-li , SONG Wen-dong , et al( 791)

Relationship between bird community and habitat in Nanchang City ..... WANG Zhi-ru , LIAO Wei-ming , SUN Zhi-yong et al( 796)

A study on the thermostability and early-maturity of two strains of *Flammulina velutipes* from space-flight mutation ..... ZHOU Qing-hong , YANG Yin-gui , ZENG Yong-jun et al( 801)

Classification and identification of a *Micromonospora purpurea* strain which produces gentamicin B ..... WANG Fei , GAO Hui , TU Guo-quan( 806)

Prokaryotic expression of the recombinant *SrPCS1* and preparation of polyclonal anti-serum against *SrPCS1* ..... LI An-ming , DENG Qing-yun , LI De-hua( 812)

Screening of flocculant-producing strains from soil microorganism and optimization of their cultural conditions ..... LIU Xiao-zhen , LIANG Yue , WANG Yue-hua et al( 817)

Extraction , purification and antioxidation of polysaccharide from purple sweet potato ..... LI Xiang , SHANGGUAN Xin-chen , JIANG Yan et al( 823)

Quantitative analysis of metal elements in navel orange by laser induced breakdown spectroscopy ..... LI Qiu-lian , YAO Ming-yin , HU Shu-fen et al( 830)

## No 5

- Effect of rice straw incorporation on rice yield and carbon pool management index under the application of farm mechanization ..... WU Jian-fu ZENG Yan-hua PAN Xiao-hua , et al( 835)
- Effect of mechanized total returning of straw to field on growth , yield and quality of early rice ..... ZENG Yan-hua , WU Jian-fu , HE Hu , et al( 840)
- Primary analysis of drought resistance heredity and physiological mechanism of introgression lines of common wild rice( *O. rufipogon* Griff. ) from Dongxiang in Jiangxi Province at seedling stage ..... FU Xue-qin , HE Hao-hua , LUO Xiang-dong , et al( 845)
- Studies on the measurement of phospholipase A activity in rice ..... LEI Xiang-liang , ZENG Xiao-chun( 851)
- Cloning of *HVA1* gene and predicting of protein structure in hullless barley Kunlun 12 ..... YAO Xiao-hua , DENG Xiao-qing , WU Kun-lun , et al( 855)
- Relationship analysis of boll characters and boll weight in insect-resistance hybrid cotton( *Gossypium hirsutum* L. ) ..... TANG Fei-yu , WANG Xiao-fang , MO Wang-cheng , et al( 861)
- Effect of heating rate during leaf-drying stage of bulk curing on smoking quality of upper flue-cured tobacco leaf ..... ZHAN Jun , LI Wei , WANG Tao , et al( 866)
- Effects of loading density and fan speed at the yellowing stage in bulk curing barn on starch degradation and economic characters of flue-cured tobacco leaves ..... MA Li , SONG Zhao-peng , DUAN Shi-jiang , et al( 873)
- Dynamic changes of the contents of several substances in male sterile *Lycium barbarum* L. .... ZHENG Rui , YUE Si-jun , HAN Lu , et al( 880)
- Effects of sewage sludge compost on growth and development of *Petunia hybrida* ..... XIAO Zu-fei , LAI Fa-ying , MA Xiao-meng , et al( 885)
- Isolation and inhibitory effect of actinomycete strain against orange diseases ..... LIU Bing , LI Yuan , DING Sha , et al( 889)
- A study on optimization of microspore culture of clubroot-resistant chinese cabbage ..... HU Jing-feng , DAI Yong-juan , WANG Qian , et al( 893)
- Dynamics of stem sap flow of *Cryptomeria fortunei* and its relation to environmental factors in mount Tianmu national nature reserve ..... JIANG Wen-wei , GUO Yun-xue , YANG Shu-zhen , et al( 899)
- Evaluation on fruit characters of 10 clones of young *Camellia oleifera* group germ ..... PENG Li-mei , ZHANG Lu , HU Dong-nan , et al( 906)
- A study on daily photosynthetic course of four improved clones of *Camellia oleifera* and its influencing factors ..... XIA Shang-guang , XIAO Zheng-dong , DING Zeng-fa , et al( 911)
- A study on correlation between leaf nutrition and soil fertility and output of *Bambusa rigida* ..... TU Shu-ping , YE Zhang-di , WANG Lei , et al( 918)
- Allocation pattern of non-structural carbohydrates of *Phyllostachys edulis* 'Pachyloen' ..... LIU Jun , YANG Qing-pei , YANG Guang-yao , et al( 924)
- Chemical composition of *Bambusa textilis* var. *fasca* , *Bambusa wenchouensis* and *Dendrocalamopsis basihirsuta* in Fujian Province ..... ZHENG Rong( 929)
- The application of GIS in forest management at the level of forest farm—a case of Linchuan Weifang forest farm , Jiangxi Province ..... CAI Xue-lin , ZHANG Zhi-yun , ZHANG Tian-hai , et al( 933)
- Cloning , sequencing and SNP site detection of the second intron of porcine *FBXL8* gene ..... LI Yong , YANG Shu-lin , CUI Wen-tao , et al( 938)
- The study of associative effects of rice straw supplemented with *Lotus corniculatus* on *in Vitro* fermentation and microbial protein synthesis ..... ZHANG Ji-kun , ZOU Qing-hua , WANG Jin-fen , et al( 942)
- Effects of pine needle powder on slaughter performance , organ index and meat quality in broilers ..... XIONG Chun-mei , GUO Ai-wei , WU Pei-fu , et al( 949)
- Effects of *Cistanche* and *Epimedium* on development of early mouse embryo ..... XIE An , LI Shi-wei , LI Long , et al( 955)
- The effect of dietary protein levels on spring multiplication and larva oxidative stability of *Apis cerana cerana* ..... LIU Jun-feng , WU Xiao-bo , YAN Wei-yu , et al( 960)
- Isolation and identification of *Vibrio vulnificus* from infected tilapia and its drug-sensitivity analysis ..... LI Jiong , YE Xing , LU Mai-xin , et al( 965)
- Isolation of polymorphic microsatellite loci and genetic diversity analysis of *Takifugu obscurus* ..... CHENG Chang-hong , ZHANG Min-ying , LIU Kai , et al( 971)
- Effect of feed yeast on growth performance and intestinal microscopic structure of turbot *Scophthalmus maximus* ..... CUI Min , GUO Ran , XIA Hui , et al( 976)
- Studies on the isolation , identification and activity of anti-*Fusarium oxysporum* secondary metabolites produced by *Streptomyces* sp. 702 ..... WEI Sai-jin , ZHANG Zhi-ping , TU Xiao-rong , et al( 982)
- Cloning , sequence analysis and heterogenous expression of the genes involved in acetoin pathway from *Serratia marcescens* H<sub>30</sub> ..... ZHANG Liao-yuan , SUN Jian-an , WEI Dong-zhi , et al( 987)
- Preparation and characterization of the genetically engineered hypoallergenic derivative of the major peanut allergen *Ara h 2* ..... YI Hai-tao , LIU Fang , JIA Meng-yang , et al( 993)
- Antimicrobial activities of fig crude extracts ..... GUO Zi-juan , ZHANG Feng-ying , DONG Kai-fa , et al( 999)
- The determination of *Pleurotus diamora* agronomic characters ..... XIONG Fang , ZHU Jian , DENG You-jin , et al( 1006)
- Optimization of ultrasonic-assisted extraction of gingerol by response surface method ..... YANG Xiao-min , LIU Jian-ping , LI Qian-qian , et al( 1012)
- Effects of land use types on soil fertility in Dagang watershed ..... WANG Zhen-ping , YU Hui , Wang Huai-jian , et al( 1017)
- A study on the community structure of phytoplankton in Qingshan Lake Nanchang ..... XIA Run-lin , YANG Zhu-qing , WANG Zi-rui , et al( 1023)

## No 6

- Effect of nitrogen application on yield of no-tillage and cast transplanted rice and its nitrogen absorption ..... WU Jian-fu , PAN Xiao-hua , SHI Qing-hua( 1031)
- A study on the effects of drought stress on photosynthetic characteristics in flue-cured tobacco at the resettle stage ..... ZHOU Zi-yan , LI Xiao-fei , DING Xue-dan , et al( 1037)

Effects of soil and climate on non-volatile organic acid content in flue-cured tobacco leaf ..... LI Qiang , ZHOU Ji-heng , YANG Rong-sheng et al( 1043)

Organic acid content of flue-cured tobacco in different types of soil ..... YIN Guang-ting , ZHOU Ji-heng , KUANG Yong et al( 1050)

A study on the difference of protein-subunit in faba bean under different eco-types in Qinghai ..... SHI Jian-bin , HOU Wan-wei , LIU Yu-jiao et al( 1056)

Effects of uniconazole on water status and photosynthetic parameters of petunias seedlings under drought stress ..... LI Ning-yi , SONG Yan , HAN Xiao-fang( 1062)

Effects of clove extract on post-harvested physiology associated enzyme of navel oranges ..... ZHANG A-shan , ZENG Rong , CHEN Jin-yin et al( 1067)

Effects of heat-treatment on cold storage physiological indexes of oriental lily bulbs ..... FANG Shao-zhong , GUO Wen-jie , CAI Xuan-mei , et al( 1072)

A study on the biological activity of 21 foliar-applied herbicides against *Solanum rostratum* ..... ZHANG Shao-yi , WEI Shou-hui , LI Xiang-ju , et al( 1077)

The impact of triclopyr-2-butoxyethyl ester on microbe in bamboo forest soil ..... CUI Hai-jun , WU Xiao-di , ZHANG Zhong-jun , et al( 1082)

Photosynthetic electron transport refreshing process of overwintering *Buxus sperirens* L. leaves in room ..... ZHONG Chuan-fei , GAO Rong-fu , ZHU Jun-ying , et al( 1088)

A comparative contrast study on the cold-resistance of four *Ligustrum* cultivars ..... HAO Ming-zhuo , HAN Ming-hui , PENG Fang-ren et al( 1094)

Temperature and moisture content on seed storage of *Pseudolarix kaempferi* ..... XIE Nan-nan , LUO Wen-jian , JIANG Qin et al( 1100)

Dynamic changes of endogenous hormone in bambooformation course ( *Phyllostachys edulis* ) ..... FANG Kai , YANG Guang-yao , YANG Qing-pei et al( 1107)

Effects of storage conditions on acid value and peroxide value of camellia seed oil ..... DING Ming , FEI Xue-qian( 1112)

A study on the mechanism of aqueous enzymatic extraction of camellia seed oil ..... SUN Hong , FEI Xue-qian , FANG Xue-zhi et al( 1117)

The effect of fertilization treatment on growth of grafted seedling in *Camellia oleifera* ..... LONG Wei , YAO Xiao-hua , WANG Kai-liang , et al( 1122)

Photosynthetic - CO<sub>2</sub> response of seedlings of different *Styrax tonkinensis* provenances ..... ZHAO Xun , LI Yin-gang , LIU Xin-hong , et al( 1128)

Effects of light intensity on growth of *Spathiphyllum* plantlets *in vitro* ..... GUO Zi-xia , SHANG Wen-qian , YAN Xin-fang et al( 1134)

A study on bud proliferation and rapid propagation of rare forest medicine plant of *Dendrobium devonianum* paxt ..... CUI Qiu-hua , SUN Yong-yu , LI Kun et al( 1139)

A study on the tissue culture of the rare tibetan medicine *Sinopodophyllum hexndrum* ..... YE Yao-hui , ZHANG Wen-xue , ZHANG Shou-wen , et al( 1144)

A study on the physical-chemical properties and flammability of different forest types in semi-tropical monsoon area ..... ZHU Bi-qin , HUANG Shu-e , TIAN Jun et al( 1149)

Evaluation of forest resource quality based on forest management inventory data—a case study of mingyueshan forest farm in Anfu County , Jiangxi Province ..... ZHANG Bang-wen , ZHENG Shi-yue , OUYANG Xun-zhi et al( 1155)

Diversity and phylogenetic relationships of Jiangxi chicken breeds ..... WU Yan-ping , HUO Jun-hong , LIU Lin-xiu , et al( 1160)

Isolation and primary culture of chicken embryo small intestinal epithelial cells ..... HONG Zhi-min , JIA Yong-jie , QU Ming-ren , et al( 1164)

An analysis of correlation between the polymorphism of *Myf5* and production traits in Songliao goose ..... WU Jun-bo , PIAO Hai-xian , JIN Yi , et al( 1171)

Effects of dietary protein levels on royal jelly production and hypopharyngeal gland development of “ZND No. 1” italian honeybee ..... WANG Gai-ying , LI Zhen , YANG Wei-ren , et al( 1176)

Alternative splicing pattern of *Apis mellifera* gene locus LOC727225 revealed by 5' LongSAGE tag-generated cDNA fragments ..... SUN Liang-xian , OUYANG-hao , ZHENG Hua-jun et al( 1181)

An analysis on genetic constitution of *Hucho taimen* , *Brachymystax lenok* and hybrids ( *Hucho taimen* ♀ × *Brachymystax lenok* ♂ ) by SRAP markers ..... XU Ling-xue , KUANG You-yi , TONG Guang-xiang , et al( 1187)

Comparative studies on the activities of four immune-related enzymes from four kinds of sturgeons ..... WANG Di , LI Shao-wu , LIU Hong-bai , et al( 1195)

Identification of transgenic mouse fibroblasts with UHS-polymerized spider dragline silk protein gene( 2S) ..... WANG Chun-sheng , LI Jing , NING Fang-yong et al( 1202)

Cloning of SOD gene segments and SNP analysis in *Evodia rutaecarpa* ..... WU Bo , GAO Dan , PAN Chao-mei , et al( 1206)

A study on screening , identification and degradation characteristics of two strains with double effects on butachlor and bensulfuron methyl ..... LIU Jun , HUO Guang-hua( 1212)

Soluble expression and fermentation condition optimization of recombinant AiiA protein ..... YANG Cai-yun , DU Ci , HUANG Ping , et al( 1219)

Optimization of solid-state fermentation conditions for *Beauveria bassiana* Bb III 22 ..... DENG Xiao-jun , ZHOU Guo-ying , LIU Jun-ang et al( 1228)

Interactive effects of litter removal and urbanization environment change on soil nitrogen mineralization in slash pine plantations ..... SHEN Wen-qing , YU Ming-quan , HU Xiao-fei et al( 1236)

Analysis on relationships between soil salinization and spectra in manas river valley ..... LI Na , WU Ling , WANG Shao-ming et al( 1242)

The phosphorus adsorption characteristics of different fillings in artificial wetland ..... ZOU Xin , JIAN Min-fei , SHI Xiao-yan et al( 1248)

Agricultural resources zoning in Poyang Lake region of Jiangxi Province ..... LI Jin-ming , ZHAO Xiao-min , ZHANG Jun et al( 1252)

Winter habitat selection of *Pucrasia macrolopha* in Guanshan national nature reserve , Jiangxi Province ..... LIU Peng , GU Shu-sheng , HUANG Xiao-feng et al( 1257)

A study on rural elderly subjective well-beings influencing factors——based on the sample from Jiangxi Province ..... YANG Ren-ping , KANG Xiao-lan( 1263)