

安徽农业大学学报

第 45 卷第 5 期 (总第 165 期) 2018 年 9 月

目 次

茶与食品科学

陕西茶树地方种质资源特征性生化成分分析

-班秋艳, 潘宇婷, 胡 敏, 纪晓明, 余有本, 任华江, 丁帅涛, 闫满朝, 江昌俊 (777)
- #### 茶树脱落酸 β -葡萄糖基转移酶基因 *CsAOG* 的克隆和表达分析
-王雷刚, 孙琪璐, 吴峻琪, 蒋家月, 李叶云, 江昌俊 (783)
- #### 不同频振光源对皖南茶园主要昆虫的诱集效果
-王朝伟, 杨云秋, 钱六九, 宛晓春, 黄衍章 (790)
- #### 安徽地方良种皖茶 6 号和皖茶 7 号的生理特性分析
-赵良侠, 郭丽娜, 马修兵, 桂南阳, 汪升毅, 童 城, 王云生 (796)
- #### 黄大茶茶汤成分分析及抗氧化活性研究
-王海松, 李清亮, 任鹏飞, 汪 涵, 宛晓春 (801)
- #### 基于谷氨酸棒状杆菌的茶氨酸生物合成工程菌构建
-江丽娜, 王荣秀, 贾慧艳, 邓威威, 张正竹 (808)
- #### 市售主流果茶饮料质量评价分析
-冯 巍, 王鑫蕊, 朱晓凤, 张 惠, 王会芳, 许静静, 刘政权 (813)
- #### 豆浆抹茶饮料的加工工艺及其稳定性
-王 薇, 刘政权, 冯 巍, 朱晓凤, 梁 进, 张正竹 (820)
- #### 夏秋绿茶复合玉米冲调粉的研制
-王秀兰, 梁 进, 杨 才, 钱慧娟, 刘政权 (826)
- #### 纤维素膜对绿茶保鲜的影响
-赵 炳, 杜先锋 (832)

动物科学与动物医学

肉鸭 *APOA4* 基因表达水平与剩余采食量性状的相关性分析

-金四华, 范心凤, 杨 磊, 汪加发, 吕合志, 李永胜, 耿照玉 (836)
- #### 大别山牛 mtDNA D-loop 区遗传多样性和系统进化分析
-程 敏, 石高丽, 刘善斋, 张运海, 刘洪瑜 (842)
- #### 不同繁殖状态下绵羊繁殖相关组织中 *CHGA* 基因的表达分析
-李春艳, 狄 冉, 张 彦,
任春环, 张子军, 田志龙, 刘秋月, 王翔宇, 胡文萍, 张效生, 张金龙, 储明星 (848)

林学

竹龄对梁山慈竹纤维形态特征的影响

-王鹏程, 代永刚, 汪佑宏, 杨淑敏, 张菲菲, 李 担, 徐 斌, 刘亚梅 (853)
- #### 油茶落叶分解对土壤养分及药用菊花生长的影响
-渠心静, 李建安, 夏宇飞, 邓小丽, 刘鹏祺, 袁 军 (861)
- #### 油茶间作不同绿肥的土壤分形及养分损耗特征
-丁怡飞, 曹永庆, 姚小华, 傅松玲, 张平安, 楼新良 (867)
- #### N 添加对墨西哥柏人工林土壤碳氮磷含量及其生态化学变化特征的影响
-李瑞瑞, 卢 艺, 万福绪, 王益明, 张雪丽 (872)
- #### 基于 DVS 技术研究木材的动态吸附特性
-彭珊珊, 蔡家斌 (877)

海州常山授粉受精及杂交育种·····杨秀莲, 张莹婷, 何 岭, 王良桂, 赵 荣 (883)

资源与环境

采用响应面法研究高砷河道尾砂中砷的释放规律

·····李二平, 盘 樱, 魏缤纭, 王跃虎, 谢建平, 邱亚群, 向仁军 (889)

巢湖 3 条入湖河流表层沉积物重金属生态风险评价·····丁云霄, 叶庆林, 孙庆业 (895)

基于资源安全评价的安徽省耕地保护研究·····汪 舒, 於忠祥 (903)

升金湖国家级自然保护区湿地生态系统服务价值的动态变化·····张 桃, 周立志, 陆胤昊, 王 杰 (909)

裂解温度及高锰酸钾活化对棉花秸秆生物炭性状的影响·····刘国华, 方 正, 苏小飞, 王福升 (916)

生物学

双子叶植物 *VQ* 基因家族的全基因组鉴定与盐胁迫下的表达模式分析····严涵薇, 陈 风, 潘 枫, 项 艳 (921)

小麦条锈菌效应蛋白基因 *pst-25II* 的克隆、表达和初步结构研究

····翟龙飞, 丁俐文, 谢蓉蓉, 王媛媛, 陶 虎 (932)

植物保护

蔬果中残留农药的生物可给性及其膳食暴露评估研究进展

····施艳红, 刘玉莹, 肖金京, 丰荣鹏, 廖 敏, 花日茂, 操海群 (938)

基因组水平的寄生蜂基因家族扩张和收缩分析····郎 坤, 毕守东, 李 飞 (945)

不同光源杀虫灯对中稻田主要昆虫诱集作用·····丁朝阳, 檀根甲, 罗道宏, 胡长安, 江俊起, 唐庆峰 (951)

2-氯烟酸的合成方法·····吕 培, 姚 强, 张 超 (955)

工程技术

基于组合近似模型的分体式插秧机秧箱轻量化设计····储婷婷, 朱德泉, 马 锦, 张 俊, 张 顺, 蒋 锐 (958)

一种引入反向搜索机制的果蝇优化算法研究·····王咏梅, 刘 磊, 施培蓓, 张 健 (966)

期刊基本参数: CN34—1162/S*1957*b*A4*194*zh*P* ¥15.00*1000*32*2018-09

JOURNAL OF ANHUI AGRICULTURAL UNIVERSITY

Vol.45 No.5 Sep. 2018 Sum No.165

Contents

Tea and Food Science

- Characteristic biochemical analysis of tea germplasm resources in Shaanxi Province
...BAN Qiuyan, PAN Yuting, HU Xin, JI Xiaoming, YU Youben, REN Huaijiang, DING Shuitao, YAN Manzhao, JIANG Changjun (777)
- Cloning and expression analysis of the *CsAOG* encoding abscisic acid β -glucosyltransferase in *Camellia sinensis*
.....WANG Leigang, SUN Qilu, WU Junqi, JIANG Jiayue, LI Yeyun, JIANG Changjun (783)
- Trapping effect of different light sources from frequency trembler grid lamp on major insects in tea fields of southern Anhui
.....WANG Chaowei, YANG Yunqiu, QIAN Liujiu, WAN Xiaochun, HUANG Yanzhang (790)
- Analysis on the physiological characteristics of varieties Anhui tea No.6 and No.7
.....ZHAO Liangxia, GUO Lina, MA Xiubing, GUI Nanyang, WANG Shengyi, TONG Cheng, WANG Yunsheng (796)
- Study on the composition and antioxidant activity of Large Yellow Tea water extract
.....WANG Haisong, LI Qingliang, REN Pengfei, WANG Han, Wan Xiaochun (801)
- Construction of theanine biosynthesis engineering bacteria based on *Corynebacterium glutamicum*
.....JIANG Lina, WANG Rongxiu, JIA Huiyan, DENG Weiwei, ZHANG Zhengzhu (808)
- Quality assessment on fruit tea drink from major brands sold
.....FENG Gong, WANG Xinrui, ZHU Xiaofeng, ZHANG Hui, WANG Huifang, XU Jingjing, LIU Zhengquan (813)
- Processing technology and stability of soy milk matcha beverage
.....WANG Wei, LIU Zhengquan, FENG Gong, ZHU Xiaofeng, LIANG Jin, ZHANG Zhengzhu (820)
- Development of summer and autumn green tea compound corn reconstitute powder
.....WANG Xiulan, LIANG Jin, YANG Cai, QIAN Huijuan, LIU Zhengquan (826)
- Influence of cellulose film on refreshment of green tea.....ZHAO Hao, DU Xianfeng (832)

Animal Science and Animal Medicine

- Expression profiles of *APOA4* mRNA and its association with residual feed intake in meat-type ducks
.....JIN Sihua, FAN Xinfeng, YANG Lei, WANG Jiafa, LYU Hezhi, LI Yongsheng, GENG Zhaoyu (836)
- Analysis of genetic variation and phylogeny on mtDNA D-loop regions in Dabieshan cattle
.....CHENG Min, SHI Gaoli, LIU Shanzhai, ZHANG Yunhai, LIU Hongyu (842)
- Expression analysis of *CHGA* gene in reproductive related tissues of sheep (*Ovis aries*) during different reproductive stages
.....LI Chunyan, DI Ran, ZHANG Yan, REN Chunhuan, ZHANG Zijun, TIAN Zhilong, LIU Qiuyue,
.....WANG Xiangyu, HU Wenping, ZHANG Xiaosheng, ZHANG Jinlong, CHU Mingxing (848)

Forestry

- Effect of age on the fiber morphological characteristics of *Dendrocalamus farinosus*
.....WANG Pengcheng, DAI Yonggang, WANG Youhong, YANG Shumin, ZHANG Feifei, LI Dan, XU Bin, LIU Yamei (853)
- Effects of decomposition of senesced oil-tea leaves on soil nutrient content and growth of intercropping *Chrysanthemum morifolium*
.....QU Xinqing, LI Jianan, XIA Yufei, DENG Xiaoli, LIU Pengqi, YUAN Jun (861)
- Characteristics of soil fractal and nutrient loss in *Camellia oleifera* forest intercropping with different green manure plants
.....DING Yifei, CAO Yongqing, YAO Xiaohua, FU Songling, ZHANG Pingan, LOU Xinliang (867)
- Effects of nitrogen supply on soil carbon, nitrogen and phosphorus concentration and ecological stoichiometry characteristic
of *Cupressus lusitanica* Mill. plantation.....LI Ruirui, LU Yi, WAN Fuxu, WANG Yiming, ZHANG Xueli (872)

- Study on the water vapor sorption properties of wood based on DVS techniques.....PENG Shanshan, CAI Jiabin (877)
Pollination, fertilization and cross breeding of *Clerodendrum trichotomum*
.....YANG Xiulian, ZHANG Yingting, HE Ling, WANG Lianggui, ZHAO Rong (883)

Resources and Environment

- Optimizing release of arsenic in river mine tailing by response surface methodology
.....LI Erping, PAN Ying, WEI Binyun, WANG Yuehu, XIE Jianping, QIU Yaqun, XIANG Renjun (889)
Ecological risk assessment of heavy metals in surface sediments of three inflow rivers of Chaohu Lake
.....DING Yunxiao, YE Qinglin, SUN Qingye (895)
Research on farmland protection in Anhui Province based on resource security evaluation.....WANG Shu, YU Zhongxiang (903)
Dynamic ecosystem service value in the wetland of Shengjin Lake National Nature Reserve
.....ZHANG Tao, ZHOU Lizhi, LU Yinhao, WANG Jie (909)
Effect of pyrolysis temperature and potassium permanganate activation on the characteristics of biochar from cotton culms
.....LIU Guohua, FANG Zheng, SU Xiaofei, WANG Fusheng (916)

Biology

- Genome-wide identification and expression pattern on salt stress of *VQ* gene family in dicots
.....YAN Hanwei, CHEN Feng, PAN Feng, XIANG Yan (921)
Study on cloning, expression and preliminary structure of wheat stripe rust effect protein *pst-2511*
.....Zhai Longfei, DING Liwen, XIE Rongrong, WANG Yuanyuan, TAO Hu (932)

Plant Protection

- Review on bioaccessibility of pesticide residues in raw vegetables and fruits and related health risk assessment
.....SHI Yanhong, LIU Yuying, XIAO Jinjing, FENG Rongpeng, LIAO Min, HUA Rimao, CAO Haiqun (938)
Genome-wide analysis of expansion and contraction of gene families in parasitic wasps.....LANG Kun, BI Shoudong, LI Fei (945)
Trapping effect of insecticidal lamp with different light sources on the main rice paddy insects
.....DING Chaoyang, TAN Genjia, LUO Daohong, HU Zhangan, JIANG Junqi, TANG Qingfeng (951)
Synthesis of 2-chloronicotinic acid.....LYU Pei, YAO Qiang, ZHANG Chao (955)

Engineering and Technology

- Lightweight designs of split seedling box of rice transplanter based on ensemble approximate model
.....CHU Tingting, ZHU Dequan, MA Jin, ZHANG Jun, ZHANG Shun, JIANG Rui (958)
Research on fruit fly optimization algorithm with reverse searching mechanism
.....WANG Yongmei, LIU Lei, SHI Peibei, ZHANG Jian (966)