

目 次

● 长白山生物资源 ●

长白山猪苓与陕西猪苓的菌丝体转录组差异比较分析 任 洁,李太元,李艳茹,梁运江,赵洪颜,许广波(1)

紫松果菊不定根提取工艺对酪氨酸酶活性抑制的影响 安晓丽,孙浩丁,车成来,李美兰,廉美兰,朴炫春(9)

基于 *psbA-trnH* 基因序列的越桔属植物鉴定研究 杨浩博,王 瑜,仲 帅,刘 鑫,宗成文(16)

贯叶连翘不定根提取工艺优化及其对酪氨酸酶活性的影响 孙浩丁,郝悦君,安晓丽,廉美兰,朴炫春(23)

● 作物·园艺·生态与环境 ●

不同作物秸秆热解液对辣椒炭疽菌的抑制及其生理指标的影响 康晓宇,韩篷慧,张 先,李范洙(29)

几种影响“赤颜”草莓组培苗生根因素的研究 关清文,赵卓雅,利 爽,吴荣哲(36)

贡菊再生体系建立及羧苄青霉素浓度筛选 徐亚男,任钺蓉,岳圆圆,赵 丽,廉美兰,高 日(41)

延边地区草莓种植园现状及发展对策 关文赫,周宇涵,曹 丽(46)

● 畜牧·兽医·食品科学与工程 ●

气肿疽 *NanA* 基因真核表达质粒的构建与鉴定 马玉腾,罗永仁,姜永越,于成东,张 皓,金 鑫(53)

富硒乳酸菌中药制剂对育肥猪生长性能和肠道菌群的影响 李抒柏,高 畅,吴贵富,张 泰,金英海(59)

硫磺负离子添加剂对大鼠亚慢性毒性试验 张剑锋,姜成哲,李 镐,片永泰(65)

大肠杆菌计数方法的比较与相关性分析 李亭玉,孔 洁,王 元,崔明勋,李艳茹,李太元(71)

脂肪酸甲酯制备工艺及尿素包埋降低饱和度的研究 仇宏图,姜宏宇,张 华(76)

机筒温度与物料含水量对挤压桔梗的膨化特性及桔梗皂苷 D 含量的影响 文字萍,金 铁(83)

香辣刺嫩芽即食罐头的配方优化研究 李 楠,李范洙(89)

● 农业经济·农业机械·专题综述 ●

烟草低温诱导早花机理的研究进展 任雅萍,李 莹,朴世领(95)

中药对酒精性肝损伤的保护作用研究进展 王 政,葛冰洁,王 萌,周鸿缘,张雪梅(102)

CONTENTS

● Biological Resources of Changbai Mountain ●

Comparative analysis of transcriptome differences between mycelium of Changbaishan *Polyporusumbellatus* and Shaanxi *Polyporusumbellatus*
..... REN Jie,LI Taiyuan,LI Yanru,LIANG Yunjiang,ZHAO Hongyan,XU Guangbo(1)

Effects of extraction process on inhibition of tyrosinase activity of extracts from adventitious roots of *Echinacea purpurea*
..... AN Xiaoli,SUN Haoding,CHE Chenglai,LI Meilan,LIAN Meilan,PIAO Xuanchun(9)

Identification of *Vaccinium* based on *psbA-trnH* gene sequence
..... YANG Haobo,WANG Yu,ZHONG Shuai,LIU Xin,ZONG Chengwen(16)

Effects of extraction technology on tyrosinase activity of extracts from adventitious roots of *Hypericum perforatum*
..... SUN Haoding,HAO Yuejun,AN Xiaoli,LIAN Meilan,PIAO Xuanchun(23)

● Crops · Horticulture · Ecology and Environment ●

Effects of different crop straw pyrolysis liquid on inhibition of *Colletotrichum capsici* and its physiological indexes
..... KANG Xiaoyu,HAN Penghui,ZHANG Xian,LI Fanzhu(29)

Studies on several factors affecting rooting of tissue culture of strawberry “Chiyan”
..... GUAN Qingwen,ZHAO Zhuoya,LI Shuang,WU Rongzhe(36)

Establish of plantlet regeneration system and screening carbenicillin concentration in ‘gongju’
..... XU Yanan,REN Manrong,YUE Yuanyuan,ZHAO Li,LIAN Meilan,GAO Ri(41)

Present situation and development countermeasures of strawberry plantation in Yanbian Area
..... GUAN Wenhe,ZHOU Yuhuan,CAO Li(46)

● Animal Husbandry · Veterinary · Food Science and Engineering ●

Construction and identification of eukaryotic expression vector for *Clostridium chauvoei* *NanA* gene
..... MA Yuteng,LUO Yongren,JIANG Yongyue,YU Chengdong,ZHANG Hao,JIN Xin(53)

The effect of selenium-enriched *lactobacillus* with traditional Chinese medicine preparation on growth performance and intestinal flora in growing and fattening pigs
..... LI Shubai,GAO Chang,WU Guifu,ZHANG Tai,JIN Yinghai(59)

Subchronic toxicity of sulfur anion feed additive on rats
..... ZHANG Jianfeng,JIANG Chengzhe,LI Gao,PIAN Yongtai(65)

Comparison of counting methods and correlation analysis of *E.coli*
..... LI Tingyu,KONG Jie,WANG Yuan,CUI Mingxun,LI Yanru,LI Taiyuan(71)

Comparative study methyl esters of production and fractionation
..... QIU Hongtu,JIANG Hongyu,ZHANG Hua(76)

Effects of barrel temperature and moisture content on expansion characteristics of extruded platycodon grandiflorum and content of platycodin D
..... WEN Yuping,JIN Tie(83)

Formulation optimization of ready-to-eat can from spicy *Aralia elata* Seem
..... LI Nan,LI Fanzhu(89)

● Agricultural Economy · Agricultural Machinery · Thematic Review ●

Advances in mechanism of early flowering induced by low temperature in tobacco
..... REN Yaping,LI Ying,PIAO Shiling(95)

Progress on protection of traditional Chinese medicine on alcoholic liver injury
..... 万方数据 WANG Zheng,GE Bingjie,WANG Meng,ZHOU Hongyuan,ZHANG Xuemei(102)