

第三、四届全国优秀农业期刊
第五届全国农业期刊金犁奖
天津市一级期刊

ISSN 1008 - 5394
CN 12 - 1282/S



天津农学院 学报

JOURNAL OF TIANJIN
AGRICULTURAL UNIVERSITY

第 30 卷 第 1 期
Vol.30 No.1

2023年3月

TIANJIN NONGXUEYUAN XUEBAO

ISSN 1008-5394



天津农学院学报

第 30 卷第 1 期 (总第 121 期)

2023 年 3 月

目 次

研究与简报

- 冰菜多糖提取物的抗氧化性及抑菌活性研究 杨宗芬, 王敏, 王贞利, 王海凤, 王俊斌 (1)
- 辣椒素对鸡油抗氧化能力的研究 薛森, 于政红, 何新益, 王雅芳 (6)
- 柿子酒酿造工艺优化及香气成分分析 杨梅, 李涛, 巩文杰, 冯翰杰, 张军 (12)
- 板栗黄芪饮料活性物质及抗氧化活性研究 聂万虹, 代瀚哲, 冯子瑶, 张平平, 王艺颖 (18)
- 种植密度对饲用高粱农艺性状、生物产量和品质的影响 康晨, 谭燕, 罗峰, 孙守钧 (22)
- 小站稻食味评价方法研究 潘健博, 郝相帅, 崔中秋 (27)
- 环剥对‘冬枣’果实品质的影响 任晓琴, 王葳, 杨静慧, 文昊, 史滢滢, 刘艳军 (32)
- 白灵菇新菌株 TN01 及保鲜技术的推广与应用 朱华玲, 班立桐, 孙宁, 李奕葶, 黄亮, 高晶琳 (36)
- 人工栽培条件下森林草莓花粉活力和萌发状况观测 靳智翔, 吕鑫磊, 段雨杉, 王尧, 余茜颖, 龙鸿 (42)
- 天津沿海牡蛎的形态学观察及分子鉴定 于帅, 刘利华, 李永仁, 郭永军, 陈丽梅 (46)
- 液相色谱法检测鸡肉中芬苯达唑及其代谢物残留 赵欣然, 齐文婷, 张伟 (51)
- 荧光光谱法快速检测土壤中菲浓度 张汉, 雷涛, 杨仁杰, 董桂梅 (55)
- UiO66 的氨基化修饰及表征 李艳丽, 秦铭杉, 韦冬微, 郭津玮, 杨琳燕 (59)
- 猫传染性腹膜炎诊断与治疗 邵帅, 马淑慧, 赵瑞利, 徐刚 (64)
- 番泻叶致小鼠急性腹泻模型的建立 蓝思林, 刘倩影, 俞泳儿, 陈淳, 刘铮辉, 徐军 (70)
- 基于模糊神经网络的温室小气候预测模型 何建祥, 宋欣, 朱垚, 宋俊杰, 谢周强 (74)

专论与综述

- 层次分析法在我国海洋生态系统中的应用进展 于小涵, 孙金辉, 徐海龙 (80)
- 人粪便处理技术的研究进展 梁嘉麒, 刘新媛, 黄锋光, 高凯泽, 周呈, 吴楠 (84)

教育教学研究与管理

- 基于 OBE 理念闭环式“Python 片上农业系统”课程教学设计 王宏坡, 周红, 孙崧, 边立云, 王育欣, 杨珍珠 (89)
- 新农科背景下农业院校思政课的使命研究 李月玲, 张秀霞 (95)
- “大学英语”课程与课程思政深度融合: 从理念到实践 谢丹 (99)
- “课程思政”元素有机融入“小动物传染病学”教学中的探索 丁巧玲, 秦顺义, 李留安, 李建军 (105)
- “植物化学保护学”课程思政教学策略探析 田小卫, 李二峰, 刘敬波 (109)

Journal of Tianjin Agricultural University

Vol. 30 No. 1 (Sum 121) March 2023

Contents

Researches and Scientific Notes

- Study on antioxidant and antibacterial activity of polysaccharide extract in *Mesembryanthemum crystallinum*
..... Yang Zongfen, Wang Min, Wang Zhenli, Wang Haifeng, Wang Junbin (1)
- Study on antioxidation of capsaicin in chicken oil Xue Miao, Yu Zhenghong, He Xinyi, Wang Yafang (6)
- Optimization of persimmon wine brewing process and analysis of aroma components
..... Yang Mei, Li Tao, Gong Wenjie, Feng Hanjie, Zhang Jun (12)
- Study on the active substances and antioxidant activity of Chinese chestnut *Astragalus* drinks
..... Nie Wanhong, Dai Hanzhe, Feng Ziyao, Zhang Pingping, Wang Yiyang (18)
- Effect of planting density on agronomic characters, biological yield and quality of forage sorghum
..... Kang Chen, Tan Yan, Luo Feng, Sun Shoujun (22)
- Research on evaluation method of Xiaozhan rice taste Pan Jianbo, Hao Xiangshuai, Cui Zhongqiu (27)
- Effect of girdling on 'Dongzao' fruit quality
..... Ren Xiaoqin, Wang Wei, Yang Jinghui Wen Hao, Shi Yanyu, Liu Yanjun (32)
- The extension and performance of a new *Pleurotus nebrodensis* TN01 and its preservation technology
..... Zhu Hualing, Ban Litong, Sun Ning, Li Yiting, Huang Liang, Gao Jinglin (36)
- The pollen vigor and germination in *Fragaria vesca*
..... Jin Zhixiang, Lü Xinlei, Duan Yushan, Wang Yao, Yu Xiying, Long Hong (42)
- Morphological observation and molecular identification of oyster in Tianjin coastal area
..... Yu Shuai, Liu Lihua, Li Yongren, Guo Yongjun, Chen Limei (46)
- Determination of Fenbendazole and its metabolites in chicken by HPLC
..... Zhao Xinran, Qi Wenting, Zhang Wei (51)
- Rapid determination of phenanthrene in soil using fluorescence spectroscopy
..... Zhang Han, Lei Tao, Yang Renjie, Dong Guimei (55)
- Amination modification and characterization of UiO66
..... Li Yanli, Qin Mingshan, Wei Dongwei, Guo Jinwei, YANG Linyan (59)
- Diagnosis and treatment of feline infectious peritonitis Shao Shuai, Ma Shuhui, Zhao Ruili, Xu Gang (64)
- Establishment of acute diarrhea model in mice caused by *Folium Sennae*
..... Lan Zhilin, Liu Qianying, Yu Yonger, Chen Chun, Liu Zhenghui, Xu Jun (70)
- Prediction model of greenhouse microclimate based on fuzzy neural network
..... He Jianxiang, Song Xin, Zhu Kai, Song Junjie, Xie Zhouqiang (74)

Reviews

- Application progress of analytic hierarchy process in marine ecological assessment
..... Yu Xiaohan, Sun Jinhui, Xu Hailong (80)
- Research progress of human fecal treatment technologies
..... Liang Jiaqi, Liu Xinyuan, Huang Fengguang, Gao Kaize, Zhou Cheng, Wu Nan (84)

Teaching and Education Research and Management

- A closed-loop teaching design of the course *Python Agriculture System on Chip* based on OBE concept
..... Wang Hongpo, Zhou Hong, Sun Song, Bian Liyun, Wang Yuxin, Yang Zhenzhu (89)
- Research on the mission of ideological and political course in agricultural universities under the background of new agricultural education
..... Li Yueling, Zhang Xiuxia (95)
- Integration of morality cultivation into *College English* course: from concept to practice Xie Dan (99)
- Exploration on the integration of "Curriculum Ideological and Political" elements into the teaching of *Small Animal Infectious Diseases*
..... Ding Qiaoling, Qin Shunyi, Li Liuan, Li Jianjun (105)
- Exploration on ideological and political teaching strategy of *Phytochemical Protection*
..... Tian Xiaowei, Li Erfeng, Liu Jingbo (109)