

# 食用菌学报

Shiyongjun Xuebao  
ACTA EDULIS FUNGI

第 33 卷 第 2 期

Vol.33 No.2

[ 期刊基本参数 ] CN31-1683/S\*1994\*b\*A4\*174\*zh+en\*P\* ¥100.00\*400\*13\*2026-04

## 目 次

香菇降解柠条基质关键基因挖掘

..... 徐鸿雁, 孟 清, 李艳艳, 刘菲燕, 李松龄, 张 洋, 王亚艺 ( 1 )

草菇海藻糖-6-磷酸合成酶基因克隆鉴定与表达分析

..... 孙 仪, 李 峰, 周 怡, 李子豪, 李维航, 张丽娟, 邹亚杰 ( 24 )

梯棱羊肚菌谷氨酸脱氢酶基因克隆及原核表达

..... 付亚娟, 张慧敏, 庞 盈, 乔 洁, 侯晓强 ( 32 )

覆土材料对双孢蘑菇产量和品质及采后保鲜的影响

..... 王 倩, 肖婷婷, 张宇辰, 张津京, 刘元剑, 王纵龙, 仇阳阳, 陈 辉 ( 41 )

木蹄层孔菌生物学特性及驯化

..... 姚英杰, 康 霞, 赵 怡, 王立安, 李守勉, 李国杰 ( 52 )

枣树寄生粗毛纤孔菌驯化及品质评价

..... 王 鑫, 包海鹰, 张广杰, 李 玉 ( 66 )

广叶绣球菌蛋白对人结肠癌 HT-29 细胞体外增殖及细胞凋亡的影响

..... 章文深, 冯彩玲, 林 智, 邱春锦, 吴岩斌, 吴建国 ( 74 )

NaCl 提取浓度对猴头菌糖蛋白结构和免疫活性的影响

..... 王夕妹, 刘靖宇, 冯翠萍, 王元凤, 管 骁, 刘 朋, 杨 焱 ( 87 )

野生新疆细虫草子实体和菌丝体代谢物及其提取物的抗氧化活性比较分析

..... 王志方, 代金平, 王小武, 杨新平, 冯 杰, 刘艳芳, 张劲松 ( 98 )

大球盖菇不同发育时期菌盖和菌柄多糖的含量和抗氧化活性

..... 黄 磊, 石鸿宇, 司 灿, 何春梅, 刘勋成, 段 俊 ( 110 )

不同成熟度台湾块菌子囊果香气成分的变化规律

..... 樊明旭, 包海鹰, 宋 超, 赵 卉, 崔丽丽, 郭鸿莹, 赵天星, 图力古尔 ( 119 )

冬虫夏草研究及产业发展现状

..... 陈佳悦, 梁月润, 肖江勇, 王 尧, 贺 媛, 徐 丹, 张 超, 钱正明 ( 133 )

食用菌硒生物强化研究进展

..... 褚卓栋, 姜淑慧, 杨子涵, 桑 青, 邓嘉琳, 陈文杰 ( 160 )

封面照片摄影: 毛长森

## CONTENTS

Mining of Key Genes Involved in Degradation of <i>Caragana korshinskii</i> by <i>Lentinula edodes</i> ..... XU Hongyan, MENG Qing, LI Yanyan, LIU Feiyan, ..... LI Songling, ZHANG Yang, WANG Yayi ( 1 )
Cloning and Expression Analysis of Trehalose-6-phosphate Synthase in <i>Volvariella volvacea</i> ..... SUN Yi, LI feng, ZHOU Yi, LI Zihao, LI Weihang, ZHANG Lijuan, ZOU Yajie ( 24 )
Cloning and Prokaryotic Expression of Glutamate Dehydrogenase Gene from <i>Morchella importuna</i> ..... FU Yajuan, ZHANG Huimin, PANG Ying, QIAO Jie, HOU Xiaoqiang ( 32 )
Effects of Casing Material on Yield, Quality, and Postharvest Preservation of <i>Agaricus bisporus</i> ..... WANG Qian, XIAO Tingting, ZHANG Yuchen, ZHANG Jinjing, ..... LIU Yuanjian, WANG Zonglong, QIU Yangyang, CHEN Hui ( 41 )
Biological Characteristics and Domestication of <i>Fomes fomentarius</i> ..... YAO Yingjie, KANG Xia, ZHAO Yi, WANG Li'an, LI Shoumian, LI Guojie ( 52 )
Domestication of <i>Inonotus hispidus</i> Parasitizing on <i>Ziziphus jujuba</i> and Quality Evaluation ..... WANG Xin, BAO Haiying, ZHANG Guangjie, LI Yu ( 66 )
Effects of <i>Sparassis latifolia</i> Protein on Proliferation and Apoptosis of Human Colorectal Cancer HT-29 Cells <i>In Vitro</i> ..... ZHANG Wenshen, FENG Cailing, LIN Zhi, QIU Chunjin, WU Yanbin, WU Jianguo ( 74 )
Effects of NaCl Concentration on Structure and Immunocompetence of the Extracted Glycoprotein from <i>Hericium erinaceus</i> ..... WANG Ximei, LIU Jingyu, FENG Cuiping, WANG Yuanfeng, ..... GUAN Xiao, LIU Peng, YANG Yan ( 87 )
Comparative Analysis of Metabolites and Antioxidant Activities of Extracts from Fruiting Bodies and Large-Scale Fermented Mycelia of <i>Ophiocordyceps gracilis</i> ..... WANG Zhifang, DAI Jinping, WANG Xiaowu, YANG Xinping, ..... FENG Jie, LIU Yanfang, ZHANG Jingsong ( 98 )
Content and Antioxidant Activity of Polysaccharides in Pileus and Stipe of <i>Stropharia rugosoannulata</i> at Different Developmental Stages ..... HUANG Lei, SHI Hongyu, SI Can, HE Chunmei, LIU Xuncheng, DUAN Jun ( 110 )
Variation Pattern of Aroma Components in Ascocarps of <i>Tuber formosanum</i> at Different Maturity Stages ..... FAN Mingxu, BAO Haiying, SONG Chao, ZHAO Hui, ..... CUI Lili, GUO Hongying, ZHAO Tianxing, BAU Tolgor ( 119 )
Research and Industrial Development Status of <i>Ophiocordyceps sinensis</i> ..... CHEN Jiayue, LIANG Yuerun, XIAO Jiangyong, WANG Yao, ..... HE Yuan, XU Dan, ZHANG Chao, QIAN Zhengming ( 133 )
Research Progress on Selenium Biofortification in Edible Fungi ..... CHU Zhuodong, JIANG Shuhui, YANG Zihan, ..... SANG Qing, DENG Jialin, CHEN Wenjie ( 160 )