

中国科技核心期刊 中文核心期刊 中国农林核心期刊 (A类)

CSCD 来源期刊 EBSCO 数据库收录 CABI 数据库收录 JST 数据库收录

ISSN 1005-9873

CN 31-1683/S

# 食用菌学报

## ACTA EDULIS FUNGI

食用菌学报  
ACTA EDULIS  
FUNGI

第二十九卷 第二期  
Vol. 29 No. 2

二〇二二年四月  
Apr. 2022



上海市农业科学院

中国农学会

Sponsored by Shanghai Academy of Agricultural Sciences (SAAS)

China Association of Agricultural Science Societies (CAASS)

主办

2022

第29卷 第2期

Vol. 29 No. 2

04

万方数据

# 食用菌学报

## SHI YONG JUN XUE BAO

### ACTA EDULIS FUNGI

第 29 卷 第 2 期  
Vol .29 No .2

[期刊基本参数]CN31-1683/S \* 1994 \* b \* A4 \* 116 \* zh+en \* P \* ¥36.00 \* 800 \* 12 \* 2022-04

## 目 次

- 甲基化相关基因和交配型基因在蛹虫草退化过程中的作用  
..... 尹 昕, 李晓玲, 邹 根, 郑婷婷, 李 波, 汪 滢 (1)
- 香菇血红素过氧化物酶基因克隆及表达分析 ..... 袁学文, 刘宗奇, 常明昌, 孟俊龙, 刘靖宇, 邓 冰 (13)
- 斑玉蕈交配型位点结构及其多态性分析 ..... 马丽娟, 李晓玲, 鲍大鹏, 尚俊军, 周陈力, 杨瑞恒 (23)
- 基于 Anchor-free 网络结构的草菇生长状态检测  
..... 查 磊, 仝宗军, 邵 帅, 李正鹏, 余昌霞, 杨焕玲, 郭 倩 (31)
- 羊肚菌产量与种袋营养变化关系 ..... 向 刚, 马渊浩, 刘 萍, 李仔密, 柴红梅, 赵永昌 (39)
- 金耳培养物的物种组成及营养运输关系  
..... 曹 瑶, 杨林雷, 李荣春, 冯发均, 李梦杰, 罗祥英, 沈真辉, 陆青青 (48)
- 猴头菌子实体粉的复合酶解及其功能特性  
..... 马 强, 杨 焱, 张 忠, 陈万超, 李 文, 庞小博, 周 靖, 吴 迪 (54)
- 不同干燥方式对猴头菌子实体多酚提取效果及其抗氧化活性的影响  
..... 杜 笑, 郭杨昇, 常明昌, 孟俊龙, 邓 冰, 刘靖宇 (65)
- 广东虫草子实体乙醇提取物对高脂饮食诱导小鼠肥胖指标及肠道菌群的影响  
..... 孙程远, 王刚正, 张成花, 黄秋菊, 黄 浩, 李泰辉, 习平根, 邓旺秋 (73)
- 栽培与野生粗毛纤孔菌子实体成分分析及水提物急性毒理  
..... 邹鹤鸣, 宋永学, 包海鹰, 刘 颖, 张东豪, 李季生 (84)
- 两种银耳多糖对小鼠抗衰作用的比较 ..... 徐晓飞, 罗东辉, 赵明月, 钟兴伟 (93)
- 食用菌菌渣资源化利用进展 ..... 郭 远, 宋 爽, 高 琪, 严 冬, 荣成博, 秦文韬, 刘 宇, 王守现 (103)

## CONTENTS

Role of Methylation-Related Genes and Mating-Type Genes in Degeneration of <i>Cordyceps militaris</i> .....	YIN Xin, LI Xiaoling, ZOU Gen, ZHENG Tingting, LI Bo, WANG Ying (1)
Cloning and Expression Analysis of Heme Peroxidase Genes from <i>Lentinula edodes</i> .....	YUAN Xuewen, LIU Zongqi, CHANG Mingchang, MENG Junlong, LIU Jingyu, DENG Bing (13)
Genetic Structure and Polymorphism of Mating-Type Loci in Different <i>Hypsizygus marmoreus</i> Strains .....	MA Lijuan, LI Xiaoling, BAO Dapeng, SHANG Junjun, ZHOU Chenli, YANG Ruiheng (23)
An Anchor-Free Network for Detection of <i>Volvariella volvacea</i> Growth Status .....	ZHA Lei, TONG Zongjun, SHAO Shuai, LI Zhengpeng, YU Changxia, YANG Huanling, GUO Qian (31)
Relationship Between Morel Yield and Nutrient Consumption in Spawn Bottles .....	XIANG Gang, MA Yuanhao, LIU Ping, LI Zimi, CHAI Hongmei, ZHAO Yongchang (39)
A Preliminary Study on Composition of Fungal Species and Nutrient Transportation in <i>Naematelia aurantialba</i> Culture .....	CAO Yao, YANG Linlei, LI Rongchun, FENG Fajun, LI Mengjie, LUO Xiangying, SHEN Zhenhui, LU Qingqing (48)
Multienzyme Complex Hydrolysis of <i>Hericium erinaceus</i> Fruiting Body Powder and <i>in vitro</i> Activity of the Released Polysaccharides .....	MA Qiang, YANG Yan, ZHANG Zhong, CHEN Wanchao, LI Wen, PANG Xiaobo, ZHOU Jing, WU Di (54)
Different Drying Methods Affected Extraction and Antioxidant Activity of Polyphenols in <i>Hericium erinaceus</i> Fruiting Bodies .....	DU Xiao, GUO Yangbian, CHANG Mingchang, MENG Junlong, DENG Bing, LIU Jingyu (65)
Effects of <i>Cordyceps guangdongensis</i> Fruiting Body Ethanol Extract on Obesity-Related Indices and Gut Microbiota in High-Fat Diet Fed Mice .....	SUN Chengyuan, WANG Gangzheng, ZHANG Chenghua, HUANG Qiuju, HUANG Hao, LI Taihui, XI Pinggen, DENG Wangqiu (73)
Component Analysis of Cultivated and Wild <i>Inonotus hispidus</i> and Acute Toxicity of Cultivated Fruiting Body Water Extract .....	ZOU Heming, SONG Yongxue, BAO Haiying, LIU Ying, ZHANG Donghao, LI Jisheng (84)
Comparison of Anti-Aging Effects Between Two <i>Tremella fuciformis</i> Polysaccharides .....	XU Xiaofei, LUO Donghui, ZHAO Mingyue, ZHONG Xingwei (93)
Progress in Utilization of Spent Mushroom Substrate .....	GUO Yuan, SONG Shuang, GAO Qi, YAN Dong, RONG Chengbo, QIN Wentao, LIU Yu, WANG Shouxian (103)