

F&M

中国食品科学技术学会会刊

食品与机械

1985年创刊

07

2021

总237期

中文核心期刊

科技核心期刊

RCCSE核心期刊



Q K 2 1 3 3 0 9 1

作者 / 张徐伟

目 次

CONTENTS

基础研究 FUNDAMENTAL RESEARCH

- 001 高压射流磨处理对燕麦浆稳定性的影响 黄素君等
Effect of the high pressure jet mill treatment on the stability of oat pulp HUANG Su-jun et al
- 007 高温高湿处理对小麦中蛋白质性质的影响 周小玲等
Effects of high-temperature and high-humidity treatment on the properties of the proteins from wheat flour ZHOU Xiao-ling et al
- 014 贝莱斯芽孢杆菌zk1对鹰嘴桃果肉组织的影响及酶学特性 陈少先等
Effects of *Bacillus velezensis* zk1 on fleshy tissue of olecranon peach and its enzymatic properties CHEN Shao-xian et al
- 020 火龙果果实甜菜苷类色素组成与分布 阳辛凤等
Study on the components and distribution of betalain pigments in different species of pitaya fruit YANG Xin-feng et al
- 026 不同品种亚麻籽营养成分分析与品质综合评价 王丽艳等
Comprehensive quality evaluation and analysis of nutrition components of various flaxseed WANG Li-yan et al
- 033 植物蛋白肽美拉德反应中间体与加香卷烟燃吸品质香气风格的相关性 雷声等
Correlation between the preparation technology of the Maillard reaction intermediates derived from vegetable peptides and the smoking quality and style of its flavoring cigarettes LEI Sheng et al
- 045 铁皮石斛茎、叶、花功能性成分、抗氧化活性及其相关性 唐文文等
Analysis of functional composition, antioxidant activity and their correlation in stem, leaf and flower from *Dendrobium officinale* TANG Wen-wen et al

安全与检测 SAFETY & INSPECTION

- 051 高效液相色谱—蒸发光散射法测定植物油中9种脂肪酸含量 牛倩倩等
Determination of 9 kinds of fatty acids in vegetable oil by HPLC-ELSD NIU Qian-qian et al
- 057 液相色谱—串联质谱同时检测肉类中11种鼠药残留 钟菲菲等
Simultaneous determination of rodenticide residues in meat by liquid chromatography-tandem mass spectrometry ZHONG Fei-fei et al
- 063 HPLC-Q-TOF/MS测定保健食品中19种抗抑郁药物 刘杰等
Determination of 19 antidepressants in health food by high-performance liquid chromatography-Time-of-flight mass spectrometry LIU Jie et al
- 069 液相色谱—质谱/质谱法测定猪肉中4种磺胺类药物残留量的不确定度评定 同顺华等
Uncertainty evaluation for the determination of 4 kinds of Sulfonamides residues in pork by LC-MS/MS YAN Shun-hua et al
- 076 盐酸可乐定人工抗原的合成及鼠源多抗血清ELISA鉴定 王耀等
Synthesis of artificial antigen and ELISA identification of mouse polyclonal antiserum against clonidine hydrochloride WANG Yao et al
- 081 市售食品中丙烯酰胺污染现状风险分析 黄燕等
Risk analysis of the acrylamide contamination in food HUANG Yan et al

机械与控制 MACHINE & CONTROL

- 087 基于闭环和前馈控制的高速食品分拣机器人控制技术 柳振宇等
Control technology of high speed food sorting robot based on closed loop and feedforward control LIU Zhen-yu et al
- 094 基于模糊控制的南美白对虾冰—低温热泵干燥控制系统设计与试验 王国杰等
Design and experiment of *Penaeus vannamei* freezing point and low temperature heat pump drying control system based on fuzzy control WANG Guo-jie et al

包装与设计 PACKAGING & DESIGN

- 102 代际更迭引发的食品包装设计观念嬗变 潘虎
Changes of perceptions on food packaging design caused by generational variation PAN Hu
- 107 网络营销视角下的食品包装设计策略 路杰
Research on food packaging design strategy from the perspective of internet marketing LU Jie
- 112 二次元文化在食品包装设计中的应用误区及其本土化策略 杨琳
The misunderstanding of the application of the secondary meta culture in the design of food packaging and its localization strategy YANG Lin
- 116 美国食品Facts up Front标签的主要经验与启发 黄泽颖等
Main experience and enlightenment of American food facts up front labeling HUANG Ze-ying et al

贮运与保鲜 STORAGE TRANSPORTATION & PRESERVATION

- 120 滚筒式催化红外联合保温处理对返潮干香菇杀菌效果及品质的影响 李婷等
Effect of combined drum catalytic infrared with holding treatment for disinfection and quality of rewetting-dried shiitake mushrooms LI Ting et al
- 129 小麦胚芽的过热蒸汽稳定化工艺研究 张楠等
Study on the process of superheated steam stabilization of wheat germs ZHANG Nan et al
- 133 变温干燥处理对红茶品质的影响 项希等
Effect of variable temperature drying on the quality of black tea XIANG Xi et al
- 143 1-甲基环丙烯结合⁶⁰Co-γ辐照处理在李子保鲜中的应用 罗冬兰等
Effect of the treatment of 1-MCP combined with ⁶⁰Co-γ irradiation on the storage of plum fruit LUO Dong-lan et al

提取与活性 EXTRACTION & ACTIVITY

- 148 玉木耳多糖对小鼠的抗疲劳作用 任广泉等
Anti-fatigue effect of the polysaccharide from *Auricularia cornea* REN Guang-quan et al
- 153 复合杏仁粉对糖脂代谢紊乱模型大鼠的降血糖活性研究 生庆海等
Hypoglycemic effect of compound almond powder on rats with glucose and lipid metabolism disorder SHENG Qing-hai et al
- 159 水油混相协同微波提取辣椒碱工艺优化及应用研究 阙小峰等
Study on optimization of microwave assisted extraction of capsaicin by water oil mixture and its application QUE Xiao-feng et al

- 165 乌饭树树叶蓝黑色素对 α -葡萄糖苷酶的抑制活性研究 包正宇等
Study on the α -glucosidase inhibition of the dark blue pigment from the leaves of *Vaccinium bracteatum* Thunb. BAO Zheng-yu et al
- 171 体外模拟消化对酸枣仁蛋白酶解产物抗氧化活性的影响 韩荣欣等
Effect of simulated gastrointestinal digestion in vitro on the antioxidant activity of *Semen ziziphi spinosae* protein hydrolysates HAN Rong-xin et al
- 177 青海亚麻籽中木脂素含量测定及抗氧化活性分析 陈昀昀等
Determination of lignans in Qinghai flaxseed and its antioxidant activity CHEN Yun-yun et al

开发利用 DEVELOPMENT & APPLICATION

- 183 脉冲强光对饮料瓶盖杀菌效果 陈金定等
Effect of pulsed light on bacterium sterilization of beverage bottle cap CHEN Jin-ding et al
- 188 食用槟榔货架期内品质控制研究 李良怡等
Study on quality control of edible areca during shelf life LI Liang-yi et al
- 194 响应面法优化人参糖蛋白制备工艺 俞萍等
Optimization of preparation of ginseng glycoprotein by response surface methodology YU Ping et al
- 200 响应面法优化火龙果真空冷冻干燥工艺 韦云伊等
Optimization of vacuum freeze-drying of pitaya by response surface methodology WEI Yun-yi et al

研究进展 ADVANCES

- 207 阿胶及其制品质量检测方法研究进展 林晓伊等
Research progress of quality detection methods for donkey-hide gelatin and its products LIN Xiao-yi et al
- 213 物理场预处理对淀粉改性及其多尺度结构的影响研究进展 李光耀等
Advances in effects of physical field pretreatment on starch modification and its multi-scale structure LI Guang-yao et al
- 219 过热蒸汽干燥技术研究进展 李少斌等
Research progress of superheated steam drying technology LI Shao-bin et al
- 227 相变蓄冷材料及其在冷库中应用的研究进展 孙锦涛等
Research progress of phase change cold storage materials and their application in cold storage SUN Jin-tao et al
- 233 竹笋加工副产物功能成分研究进展 汤娇娇等
Progress on utilization of bamboo shoot by-products and functional components TANG Jiao-jiao et al

信息窗 INFORMATION

- 封面 主题插画 张徐伟
- 封三 食品包装设计优秀作品选登 毛明
- 241 食品商标英译策略研究 郑超
- 243 心理学理论在食品质量与安全专业教学中的应用 马媛媛
- 245 《中国饮食文化》课程教学实践 李乃岭
- 247 传统文化在食品包装中的应用 郭利芳
- 248 重大公共卫生事件背景下辅导员在学生食品安全教育中的功能发挥探究 李一杨
- 249 基于生产和消费需求下的粮食工程专业英语教学研究 闫素芬
- 251 就业需求下的烹饪专业英语教学研究 李慧罗

公益广告



植/物/蛋/白/替/代/肉/类/食/品/解/决/方/案/提/供/商



“素”造未来

VEGETABLE PROTEINS FUTURE

湖南富马科食品工程技术有限公司 www.fumach.com

公司地址：中国湖南省长沙市开福区沙坪街道1042号 / 邮政编码：410153 / 电话：0731-8667 7666 / 0731-8667 9767
销售热线：186 7483 9600 / 188 7478 7475 / 售后热线：188 7478 7475 / 电子邮箱：fumach@vip.163.com

食品与机械编辑部

地 址：湖南省长沙市天心区赤岭路45号

邮 编：410076

电 话：(0731)85125568 85125598

E-mail: foodmm@vip.sina.com

网 址：www.ifoodmm.com

邮发代号：42-83 定价：20.00元

ISSN 1003-5788



9 771003 578216

万方数据