

09

2022

第 38 卷

CODEN:SYJHAQ

ISSN 1003-5788

CN 43-1183/TS

F&M FOOD & MACHINERY

中国食品科学技术学会会刊

食品与机械

1985年创刊

中文核心期刊

科技核心期刊

RCCSE核心期刊



作者 / 郭 超

目次

CONTENTS

前沿观点 FRONTIER VIEW

- 001 母乳中二位棕榈酸酯含量分析及研究现状 董玲等
The overview of sn-2 palmitate content in breast milk and current research status DONG Ling et al

基础研究 FUNDAMENTAL RESEARCH

- 007 多酚类物质与果汁口味关系 贺增洋等
Study on the relationship between polyphenolic compounds and the taste of fruit juice samples HE Zeng-yang et al
- 013 浸泡温度对米饭回生特性及食用品质的影响 刘薇等
Effects of soaking temperature on rice regeneration characteristics and edible quality LIU Wei et al
- 018 枸杞原浆抗氧化及增强免疫活性研究 杨露等
Antioxidant capacity and immunoenhancing activity of *Lycium barbarum* protoplasm YANG Lu et al
- 022 热风干燥过程中果蔬片脆性变化规律 武旭瑶等
Variation of food brittleness of the fruit and vegetable slices during hot air drying process WU Xu-yao et al
- 029 乳酸菌发酵茶花粉对 α -葡萄糖苷酶抑制率的影响 罗粤鹏等
Effects of lactic acid bacteria fermentated pollens on the inhibition of α -glucosidase LUO Yue-peng et al
- 034 刺梨多糖改善肥胖大鼠胰岛素抵抗的作用和机制 张帅军等
Effect and mechanism of *Rosa roxburghii* polysaccharide on improving insulin resistance in obese rats ZHANG Shuai-jun et al
- 040 不同品种亚麻籽8种生物活性物质含量及其主成分分析 孙强等
Determination and principal component analysis of 8 kinds of bioactive substances in different flaxseed varieties SUN Qiang et al
- 046 豆蔻天竺葵不同部位挥发油成分分析及在卷烟加香中的应用 殷鸿飞等
Analysis of essential oil from different parts of *Pelargonium odoratissimum* and its application in cigarette YIN Hong-fei et al
- 052 5种药食兼用菊花挥发性有机物的HS-GC-IMS与指纹图谱 丁云龙等
HS-GC-IMS analysis and fingerprint study of volatile organic compounds in five species medicinal and edible *Chrysanthemum morifolium* Ramat. DING Yun-long et al

安全与检测 SAFETY & INSPECTION

- 059 双重实时荧光PCR法测定食品中大豆、小麦过敏原 金萍等
Determination of soybean and wheat allergens in food by dual real-time fluorescence PCR JIN Ping et al
- 064 表面增强拉曼光谱法筛查保健酒中那非类药物 胡家勇等
Screening of PDE-5 inhibitors in health wine by surface-enhanced Raman spectroscopy HU Jia-yong et al
- 072 液相色谱—柱后衍生法测定苹果中5种氨基甲酸酯类农药残留量的不确定性评定 余星等
Evaluation of uncertainty in determination of five kinds of carbamate pesticide residues in apple by liquid chromatography-post-column derivatization YU Xing et al
- 077 WS系列凉味剂的热分析 李奕蓉等
Thermal analysis of WS series cooling agent LI Yi-rong et al
- 083 孟加拉国农食产品质量安全监管体系研究及启示 李冠斯等
Research and enlightenment on quality and safety supervision system of agricultural food products in Bangladesh LI Guan-si et al

食品装备与智能制造 FOOD EQUIPMENT & INTELLIGENT MANUFACTURING

- 088 基于离散元EDEM的米粒破碎特性分析 刘程等
Analysis of rice grain breakage characteristics based on discrete element EDEM LIU Cheng et al
- 093 基于改进SSA优化预测模型的大曲发酵湿度监控系统 廖俊杰等
Monitoring system of Daqu fermentation humidity based on improved SSA optimization prediction model LIAO Jun-jie et al
- 098 水果品质分选机的研发 王文超等
Research and development of fruit quality sorting machine WANG Wen-chao et al
- 103 对虾剥壳设备的自动定向与分级控制 傅士伟等
Research on automatic orientation and grading of shrimp shelling device FU Shi-wei et al
- 108 基于改进鲸鱼算法和神经网络的食物机器人能耗轨迹规划 黄崇富等
Energy consumption path planning of food robot based on improved whale algorithm and neural network HUANG Chong-fu et al
- 114 食品搬运机器人工作空间仿真与轨迹规划 蔡国庆等
Workspace simulation and trajectory planning of food handling robot CAI Guo-qing et al
- 120 贮丝柜柔性进出料技术研究与运用 曾伟中等
Research and application of flexible feeding and discharging technology for storage tank ZENG Wei-zhong et al
- 124 ZJ17卷烟机上胶装置 刘世明等
Research and application of glue device for ZJ17 cigarette machine LIU Shi-ming et al

包装与设计 PACKAGING & DESIGN

- 128 民俗文化要素在地方特色食品包装设计中的表达 左文
Expression of folk culture elements in the packaging design of local characteristic food ZUO Wen

提取与活性 EXTRACTION & ACTIVITY

- 134 8种食用菌蛋白及其酶解产物抗氧化活性研究 王耀冉等
Study on antioxidant activities of proteins and enzymatic hydrolysates of eight edible fungi WANG Yao-ran et al
- 139 线叶金雀花总黄酮提取工艺优化及对大肠杆菌的抑菌作用 王振伟等
Optimization of extraction technology of total flavonoids from rooibos and the antibacterial effect on *Escherichia coli* WANG Zhen-wei et al
- 146 橄榄叶多酚提取工艺优化及对山茶籽油氧化稳定性的影响 尚方园等
Optimization of extraction process of polyphenols from olive leaves and its effect on oxidative stability of camellia seed oil SHANG Fang-yuan et al
- 153 大孔树脂纯化万寿菊中叶黄素的工艺优化 吴红艳等
Optimization of purification process of lutein from Marigold by macroporous resin WU Hong-yan et al

储运与保鲜 STORAGE TRANSPORTATION & PRESERVATION

- 159 解冻方式对船载超低温鱿鱼肌肉保水性及品质的影响 王晋等
Effect of thawing methods on water retention and quality of ship-borne ultra-low-temperature squid muscle WANG Jin et al
- 165 干燥方式对黄桃果脯品质的影响 刘贵阁等
Effects of drying methods on the quality of preserved yellow peach LIU Gui-ge et al

171	干燥方式对香芋片挥发性物质的影响 Effects of different drying methods on volatile substances of taro slices	杨 玉等 YANG Yu et al
180	基于协调注意力的花生荚果品质分级 Classification of peanut quality based on coordinated attention	王春龙等 WANG Chun-long et al

开发应用 DEVELOPMENT & APPLICATION

185	源于中高温大曲的米根霉制备米曲工艺优化及应用 Optimization and application of Miqu prepared by <i>Rhizopus oryzae</i> from medium-high temperature Daqu	黄科屹等 HUANG Ke-yi et al
191	澄清工艺对地参发酵酒澄清效果及品质的影响 Influences of clarification technology on clarification effect and quality of the fermented wine with <i>Lycopus lucidus</i> Turcz	黄小兰等 HUANG Xiao-lan et al
198	基于感官剖面分析法、熵权法和灰色关联度法的扬州兰花干品质评价 Quality evaluation of different varieties of Yangzhou orchid dry based on sensory profile analysis, entropy weight method and grey interconnect degree analysis	谢成城等 XIE Cheng-cheng et al
204	鳊鱼内脏副产物中鱼油的精炼及其品质分析 Refining and quality analysis of fish oil from mandarin fish viscera byproducts	吴永祥等 WU Yong-xiang et al

研究进展 ADVANCES

211	海洋生物活性物质抗疲劳功能研究进展 Research progress on anti-fatigue function of marine bioactive substances	肖岷方等 XIAO Mei-fang et al
219	覆盆子活性成分及其综合利用研究进展 Research progress on active components and comprehensive utilization of <i>Rubus chingii</i> Hu	陈奎霖等 CHEN Kui-lin et al
227	魏斯氏菌的研究进展 Recent progress of <i>Weissella</i>	刘长蕾等 LIU Chang-lei et al
234	澄清脱色技术在甘蔗制糖中的应用 Research progress of the application of clarification and decolorization techniques in sugarcane sugar production	许文婷等 XU Wen-ting et al

信息窗 INFORMATION

封面	主题插画	郭 超
封三	食品包装设计优秀作品选登	叶子菲
239	全球史观下中华传统饮食文化的演变与传播	李 珺
241	食品安全教育与高校思政教育的协同育人	刘兆俊
243	商务英语在食品国际贸易中的应用	焦 洁
245	古代辞赋中的饮食文化书写解读	李丽丽等
247	食品质量与安全专业教学体系建设	刘子辉等
249	动画艺术元素与食品包装生态意识的创新融合路径	王茜濡等
250	食品企业财务管理中的成本控制	朱丰伟等
251	营养与健康理念在高校体育教学中的融入	张志刚