

12

2019

F&M

食品与机械

FOOD & MACHINERY

第35卷 总第218期

食品与机械编辑部

F&M 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

12
2019
总218期



基于贮藏性加工的香蕉产业链发展对策
纳他霉素的大孔树脂原位吸附动力学研究
基于体积增量表征的冷冻浓缩进程的数学模型及试验验证
小麦粉破损淀粉含量对面团发酵性能的影响
SERS结合PAC-LDA分析鉴别鸡肉中硝基呋喃类代谢物的混合残留
不同贮藏条件下鸡胸肉特征腐败菌分析
豆豉返霜过程中基本理化特性及微生物多样性差异分析
冷浸渍处理对干红葡萄酒颜色品质及风味特征的影响
离子液体在虾壳甲壳素提取中的应用研究进展



ISSN 1003-5788

12>



目 次

CONTENTS

权威论坛 AUTHORITY FORUM

- 002 基于贮藏性加工的香蕉产业链发展对策 刘忠义等
Development countermeasures of banana industrial chain based on its storage processing LIU Zhong-yi et al
- 008 基于硼亲和策略的分子印迹技术研究进展 徐斐等
Research progress of molecular imprinting technology based on boron affinity strategy XU Fei et al

基础研究 FUNDAMENTAL RESEARCH

- 014 基于体积增量表征的冷冻浓缩进程的数学模型及试验验证 丁中祥等
Modeling and experimental verification of freeze concentration (and freeze desalination) progress DING Zhong-xiang et al based on characterizing the volumetric increment of materials
- 019 基于激光点云数据的糙米表面三维模型重建 吴婧等
Reconstruction of surface 3D model of brown rice based on point cloud data WU Jing et al
- 023 草鱼鱼油微胶囊芯材释放条件及缓释特性研究 刘晓丽等
Release condition and sustained-release behavior simulation of grass carp (*Ctenopharyngodon idella*) fish oil microcapsule core material LIU Xiao-li et al
- 029 阿魏酸及其烷基酯在水包油乳液中抗氧化效率的假相模型解释 黄师荣等
The pseudophase model interpretation for the antioxidant efficiency of ferulic acid and its alkyl esters in oil-in-water emulsion HUANG Shi-rong et al
- 036 新型高倍二肽甜味剂的制备与表征 穆小青等
Preparation and characterization of new high-potency dipeptide sweetener MU Xiao-qing et al
- 042 纳他霉素的大孔树脂原位吸附动力学研究 郑迎莹等
In-situ adsorption kinetics of macroporous resin on natamycin ZHENG Ying-ying et al
- 047 基于同态滤波和改进 K-means 的苹果分级算法研究 王阳阳等
Research on apple classification algorithm based on homomorphic filtering and improved K-means algorithm WANG Yang-yang et al
- 052 基于图像处理的白酒酒花轮廓检测 杨静娴等
Liquor hop contour detection based on image processing YANG Jing-xian et al
- 056 基于光谱技术与光学仿真的柚果在线检测托盘设计与试验 孙潇鹏等
Design and experiment of online detection pallets for pomelo fruit based on spectral technique and optical simulation SUN Xiao-peng et al
- 063 高温处理对牛肉脂肪酸及脂肪氧化的影响 柯海瑞等
Effect of high temperature treatment on beef fatty acid and fat oxidation KE Hai-rui et al
- 070 小麦粉破损淀粉含量对面团发酵性能的影响 张蓓等
Effect of damaged starch content of wheat flour on fermentation characteristics of dough ZHANG Bei et al
- 075 厚度控制对怀山药远红外干燥过程中水分迁移的影响 周四晴等
Effect of thickness on moisture transfer during Far-infrared drying of *Dioscorea opposita* ZHOU Si-qing et al

安全与检测 SAFETY & INSPECTION

- 082 基于表面增强拉曼光谱的养殖水中五氯酚残留检测 张沪文等
Detection of pentachlorophenol in fishery water using surface-enhanced Raman spectroscopy ZHANG Lu-wen et al
- 087 SPE-GC/MS 测定苹果梨中 19 种有机氯农药残留 姚蕴恒等
Determination of 19 kinds of organochlorine pesticide residues in apple-pear by using gas chromatography-mass spectrometry coupled with solid-phase extraction YAO Yun-heng et al
- 096 SERS 结合 PCA-LDA 分析鉴别鸡肉中硝基呋喃类代谢物的混合残留 郭红青等
Identification of nitrofuran metabolites in chicken by using surface-enhanced Raman spectroscopy coupling with principal component analysis-linear discriminant analysis GUO Hong-qing et al
- 100 QuEChERS-UPLC-Q/Orbitrap MS 法快速测定草鱼中 14 种糖皮质激素类药物残留 李涛等
Rapid determination of 14 glucocorticoids in grass carp using QuEChERS coupled with UPLC-Q/Orbitrap MS LI Tao et al
- 105 中国食品安全领域犯罪的立法检视与优化维度 印伟
Legislative review and optimization of the crimes in the field of food safety in China YIN Wei

机械与控制 MACHINE & CONTROL

- 108 基于模糊 PID 的豆粉喷雾干燥塔监控系统设计 侯强等
Design of monitoring system for soybean powder spray drying tower based on fuzzy PID HOU Qiang et al

贮运与保鲜 STORAGE TRANSPORTATION & PRESERVATION

- 113 不同贮藏条件下鸡胸肉特征腐败菌分析 张莉等
Dictection of special spoilage organisms of chicken breast in different storage conditions ZHANG Li et al
- 119 豆豉返霜过程中基本理化特性及微生物多样性差异分析 朱敏方等
Variation in physicochemical properties and microbial diversity during the progression of efflorescence on the surface of Douchi ZHU Min-fang et al
- 126 辐照对大管鞭虾冷冻保鲜品质的影响 郝云彬等
The effect of irradiation on preservation of the *Solenocera melancho* during storage HAO Yun-bin et al
- 130 低场核磁结合电子鼻判定复合保鲜剂对冷藏虹鳟鱼片品质变化的影响 沈秋霞等
LF-NMR combined with electronic nose to analyze the quality changes of refrigerated rainbow trout treated with composite preservative SHEN Qiu-xia et al
- 137 基于机器视觉的樱桃缺陷检测与识别 裴悦琨等
Cherry defect detection and recognition based on machine vision PEI Yue-kun et al

提取与活性 EXTRACTION & ACTIVITY

- 141 美味牛肝菌多糖对急性肝损伤小鼠的保肝作用 郑俏然等
Effect of *Boletus edulis* polysaccharides on liver protection to CCl₄-induced acute hepatic damage mice ZHENG Qiao-ran et al

146 仙灵脾改善小鼠睡眠功效成分的分离鉴定	侯云飞等
Isolation and identification of epimedium in improving sleep function of mice	HOU Yun-fei et al
151 中华圆田螺肉抗氧化肽的分离纯化及小鼠体内外活性研究	吴明泽等
Purification of antioxidant peptides from the meat of Oncomelania sinensis and its in vivo and in vitro of mice activity	WU Ming-ze et al
158 马铃薯抗氧化活性成分研究	寇婷婷等
Study on antioxidant active components of potatoes	KOU Ting-ting et al
163 青稞麸皮营养成分及提取物抗氧化活性研究	向卓亚等
Study on the nutrient composition and antioxidant activity of highland barley bran	XIANG Zhuo-ya et al
169 亚临界萃取对上部选下烟叶品质的影响	姚倩等
Effect of subcritical extraction on quality of upper surplus tobacco leaves	YAO Qian et al

开发利用 DEVELOPMENT & APPLICATION

174 藜麦黄酒发酵工艺优化及抗氧化特性研究	张文刚等
Optimization on fermentation conditions and the antioxidant characteristics of Chinese quinoa rice wine	ZHANG Wen-gang et al
179 冷浸渍处理对干红葡萄酒颜色品质及风味特征的影响	李斌斌等
Effect of cold maceration treatments on color quality and flavor characteristics of dry red wine	LI Bin-bin et al
185 火腿风味的低钠发酵肉制品品质及风味研究	侯婷婷等
Study on the quality and flavor of ham-flavored fermented meat products	HOU Ting-ting et al
190 麦麸细粉营养成分分析及在面包烘焙中的应用	兰晓光等
Nutrient analysis of the fine wheat bran powder and its application in bread making	LAN Xiao-guang et al
194 超声和烫漂预处理对红薯叶热风干燥的影响	张迎敏等
Effect of ultrasonic and blanching pretreatment on hot air drying of sweet potato leaves	ZHANG Ying-min et al

研究进展 ADVANCES

202 离子液体在虾壳甲壳素提取中的应用研究进展	李艳等
Research progress on extracting chitin from shrimp shells by ionic liquids	LI Yan et al
208 低盐肉制品加工技术研究进展	余涛等
Research progress on processing technology of low-salt meat products	YU Tao et al
215 蔷薇果功效与研发现状	方哲等
Efficacy and research status of rose hip	FANG Zhe et al
221 罗汉果黄酮的提取、纯化及生物活性研究进展	邵佩等
Advances of extraction, purification and biological activity of flavonoids from <i>Siraitia grosvenorii</i>	SHAO Pei et al

信息窗 INFORMATION

001 2019年度优秀审稿专家表彰
007 启事
074 欧盟评估一种L-蛋氨酸作为添加剂的安全性和有效性
168 欧盟EFSA更新对5种邻苯二甲酸酯的风险评估
227 《食品与机械》2019年1~12期分类总目次