

## 目次 CONTENTS

### 粮油加工

- 1 李翠翠, 贾笑莉, 张丽, 郭赛赛, 孙薇, 陆啟玉 面制品加工过程中小麦面筋蛋白巯基、二硫键变化的研究进展  
Research progress on the change of sulphydryl group and disulphide bond in wheat gluten protein during processing of flour products  
*LI Cuicui, JIA Xiaoli, ZHANG Li, GUO Saisai, SUN Wei, LU Qiyu*
- 9 石振兴, 柴浩浩, 仵华君, 朱莹莹, 么杨 内部结构设计对 3D 打印全麦曲奇饼干品质的影响  
Effect of internal structure design on the quality of 3D printed whole wheat cookies  
*SHI Zhenxing, CHAI Haohao, WU Huajun, ZHU Yingying, YAO Yang*
- 18 李杉, 姜千一, 孙冰华, 温纪平, 王晓曦 麦麸糊粉层粉对混合粉、面团及手抓饼品质特性的影响  
Effects of wheat bran aleurone layer on quality characteristics of mixed flour, dough and hand-grabbed cake  
*LI Shan, JIANG Qianyi, SUN Binghua, WEN Jiping, WANG Xiaoxi*
- 27 钟昕怡, 陈紫麟, 骆勇, 汪高伟, 王周利, 赵子丹, 李鸣雷 香菇-大球盖菇复合饼干研制及其品质特性分析  
Development and quality characteristics analysis of the *Lentinus edodes-Stropharia rugosoannulata* composite biscuits  
*ZHONG Xinyi, CHEN Zilin, LUO Yong, WANG Gaowei, WANG Zhouli, ZHAO Zidan, LI Minglei*

### 生物质材料加工与应用

- 37 邱勇, 孟志容, 林祥志 牡蛎壳粉资源化利用研究进展  
Progress of oyster shell powder resource utilization research  
*QIU Yong, MENG Zhirong, LIN Xiangzhi*
- 49 吴靖娜, 林泽烨, 苏筱, 张任翔, 陈晓婷, 潘南 龙须菜渣纤维素/纳米纤维素及其水凝胶的制备和性能研究  
Preparation and property study of cellulose/nanocellulose and its hydrogel from *Gracilaria lemaneiformis* residue  
*WU Jingna, LIN Zeye, SU Xiao, ZHANG Renxiang, CHEN Xiaoting, PAN Nan*

### 烟草化学

- 57 张新龙, 赵尔婉, 黄家乐, 冯媛, 于国锋, 许春平 基于美拉德反应的红茶茶末烟用香料的制备及加香效果研究  
Study on the preparation and flavoring effect of cigarette flavor from black tea dust based on Maillard reaction  
*ZHANG Xinlong, ZHAO Erwan, HUANG Jiale, FENG Yuan, YU Guofeng, XU Chunping*

**主 编:**魏世忠  
**执行主编:**邹 琳  
**副 主 编:**曲双红  
**执行编辑:**杨晓娟  
**编辑人员:**邹 琳 曲双红 王晓波 杨晓娟 吴晓亭 刘 静(特邀)

- 
- 70 郭丽娟,张兴月,  
范多青,叶灵,  
陈芳锐,李响丽,  
刘欣,李超  
非标准大气压下卷烟纸阴燃速率的修正研究  
Research on the correction of smoldering rate of cigarette paper  
under non-standard atmospheric pressure  
*GUO Lijuan, ZHANG Xingyue, FAN Duoqing, YE Ling, CHEN Fangrui, LI Xiangli,  
LIU Xin, LI Chao*

## 烟草生物技术

- 77 朱晓兰,李宽,  
赵勇,袁广翔,  
汪金玲,俞京  
酶萃取及组氨酸 Heyns 化合物加香对再造梗丝品质的影响  
Study on the quality of reconstruction tobacco stem preparation based on  
enzyme extraction process combined with fragrance enhancement of histidine  
Heyns compound  
*ZHU Xiaolan, LI Kuan, ZHAO Yong, YUAN Guangxiang, WANG Jinling, YU Jing*
- 84 胡仙妹,于美逍,  
杨雪鹏,张展,  
尹献忠  
木醋杆菌和酿酒酵母混菌发酵对烟用细菌纤维素品质的影响  
Effects of *Acetobacter xylinum* and *Saccharomyces cerevisiae* mixed fermentation  
on quality of tobacco bacterial cellulose  
*HU Xianmei, YU Meixiao, YANG Xuepeng, ZHANG Zhan, YIN Xianzhong*

## 烟草工艺

- 93 楚文娟,郭丽霞,  
程东旭,王红霞,  
崔廷,冯银龙,  
王建民,鲁平  
基于 K-means 聚类及模糊判别的卷烟包灰性能综合评价方法  
Comprehensive evaluation method for ash characterization of burning cigarette  
based on K-means clustering and fuzzy discrimination  
*CHU Wenjuan, GUO Lixia, CHENG Dongxu, WANG Hongxia, CUI Ting, FENG Yinlong,  
WANG Jianmin, LU Ping*
- 101 卢晓波,徐海,  
朱俊召,张宇,  
谭健,高冠男,  
胡军华,林龙  
基于机器视觉的加热卷烟烟支端部质量检测系统设计  
Design of a quality inspection system for heated cigarette ends based on  
machine vision  
*LU Xiaobo, XU Hai, ZHU Junzhao, ZHANG Yu, TAN Jian, GAO Guannan, HU Junhua,  
LIN Long*
- 108 陈昆,黄福利,  
吴承澄,谢一飞,  
李凯斌,柳胜耀,  
戚祖强,唐伟  
高发射率发热针对加热卷烟温度及气溶胶释放的影响  
The impact of high-emissivity heating pins on temperature and aerosol  
emission in heated tobacco products  
*CHEN Kun, HUANG Fuli, WU Chengcheng, XIE Yifei, LI Kaibin, LIU Shengyao,  
QI Zuqiang, TANG Wei*
- 116 黄朵朵,王乐,  
雷萍,孙志伟,  
李林洪,张智轩,  
黄锋,李斌  
基于烟芯段和滤嘴段耦合的加热卷烟烟气关键成分释放模型构建  
Modeling the release of key components of heated cigarette smoke based on the  
coupling of tobacco rod section and filter section  
*HUANG Duoduo, WANG Le, LEI Ping, SUN Zhiwei, LI Linhong, ZHANG Zhixuan,  
HUANG Feng, LI Bin*