

# 目次

## ▶ 烟草工艺

- 05 过程能力分析在卷烟加料均匀性评价中的应用
- 08 仙人掌多糖的提取及其在卷烟中的应用
- 12 片烟叶面积分布

刘泽春, 黄华发, 洪伟龄, 等  
刘洋, 刘珊, 胡军, 等  
曾静, 徐大勇, 李跃峰, 等

## ▶ 设备与仪器

- 16 DR2-5复合滤棒成型机的改造
- 19 基于网络的滤棒交换站控制模式改造
- 22 制丝线在线红外测温仪比对测试误差的确定
- 25 垂帘装置在仓式喂料机中的应用

李红武, 张强, 卢伟, 等  
金颂卿, 朱双印  
毋玉莲, 赵高杨, 张蒙生  
金永富, 李壮, 丁伟, 等

## ▶ 烟草化学

- 27 两种抽吸模式下卷烟主流烟气中主要酚类的释放量比较
- 34 ICP-AES法测定二醋酸纤维素片总硫
- 37 连续流动法测定烟草中磷酸盐的含量
- 41 烟草中啉虫脒、吡虫啉残留量的UPLC-MS/MS测定
- 44 烤烟烟叶部分化学成分与平衡含水率的相关性

李中皓, 唐纲岭, 张洪非, 等  
曹建国, 姚杰, 杨广美, 等  
张威, 王颖, 于瑞国, 等  
王骏, 钟青, 郭忠成, 等  
黎洪利, 朱立军, 王鹏, 等

## ▶ 烟草农学

- 48 初烤烟叶主要外观性状与评吸质量的灰色关联分析
- 52 钼对烤烟烘烤过程中酶促棕色化反应相关指标的影响
- 56 陈化烟叶褐变程度与其化学成分的相关性

魏春阳, 罗朝鹏, 李锋, 等  
张纪利, 李章海, 李余湘, 等  
王浩军, 姚忠达, 吴克松, 等

## ▶ 病虫害防治

- 60 不同熏蒸方式下磷化氢的穿透、保持与散逸分析

沈森, 吴云平, 王正刚, 等

## ▶ 其他

- 33 广告索引

## ▶ Manufacturing Technology

- 05 Application of process capability analysis in evaluation of casing uniformity  
LIU ZE-CHUN, HUANG HUA-FA, HONG WEI-LING, *et al*
- 08 Extraction of cactus polysaccharide and its application in cigarette  
LIU YANG, LIU SHAN, HU JUN, *et al*
- 12 Area distribution of tobacco strips ZENG JING, XU DA-YONG, LI YUE-FENG, *et al*

## ▶ Equipment & Apparatus

- 16 Modification of DR2-5 filter combiner LI HONG-WU, ZHANG QIANG, LU WEI, *et al*
- 19 Improvement of control system of flexible line connector based on network  
JIN SONG-QING, ZHU SHUANG-YIN
- 22 Determination of test error of on-line infrared temperature meter in tobacco primary  
processing line WU YU-LIAN, ZHAO GAO-YANG, ZHANG MENG-SHENG
- 25 Application of suspended curtain in upwardly inclined feeder  
JIN YONG-FU, LI ZHUANG, DING WEI, *et al*

## ▶ Tobacco Chemistry

- 27 Comparison of deliveries of major phenolic compounds in mainstream cigarette smoke  
at different smoking regimes  
LI ZHONG-HAO, TANG GANG-LING, ZHANG HONG-FEI, *et al*
- 34 Determination of total sulfur in cellulose diacetate flake by ICP-AES  
CAO JIAN-GUO, YAO JIE, YANG GUANG-MEI, *et al*
- 37 Determination of phosphate content in tobacco with continuous flow method  
ZHANG WEI, WANG YING, YU RUI-GUO, *et al*
- 41 Determination of acetamiprid and imidacloprid residues in tobacco by UPLC-MS/MS  
WANG JUN, ZHONG QING, GUO ZHONG-CHENG, *et al*
- 44 Correlation between some chemical components in flue-cured tobacco leaf and its  
equilibrium moisture content LI HONG-LI, ZHU LI-JUN, WANG PENG, *et al*

## ▶ Tobacco Agronomy

- 48 Grey incidence analysis on major appearance traits and smoking quality of flue-cured  
tobacco WEI CHUN-YANG, LUO ZHAO-PENG, LI FENG, *et al*
- 52 Effects of molybdenum on enzymatic browning reaction-related indexes during flue-cured  
tobacco curing ZHANG JI-LI, LI ZHANG-HAI, LI YU-XIANG, *et al*
- 56 Correlation between browning degree of and chemical components in aged leaf  
WANG HAO-JUN, YAO ZHONG-DA, WU KE-SONG, *et al*

## ▶ Disease & Pest Control

- 60 Penetration, retention and dissipation of phosphine under different fumigation methods  
SHEN MIAO, WU YUN-PING, WANG ZHENG-GANG, *et al*