



全国中文核心期刊
CSCD核心库期刊



中国农业大学学报

JOURNAL OF CHINA AGRICULTURAL UNIVERSITY

Vol. 25 No. 9 2020

目 次

- 转基因植物检测方法及标准化概述 张晓磊 章秋艳 熊炜 沈平(1)
- 全球转基因作物发展演变与趋势 杨树果(13)
- 大豆滞绿(stay-green)突变体诱变后代生理指标及品质分析
..... 郑贊 尹艺臻 温宏伟 王鹏 李貴全(27)
- 桃 *PpCBF2* 基因克隆及其响应低温表达特性研究
..... 宋艳波 赵小慧 王科杰 李耀霞 陈双建 梅霞 李宏 吴国良(36)
- 长期继代培养的转基因苹果外源基因遗传及表达稳定性分析
..... 李玉生 陈龙 程和禾 赵艳华 吴雅琴 李友刚 吴永杰(46)
- 补饲对放牧西门塔尔犊牛生长性能及血液指标的影响
..... 徐萍 敖日格乐 王纯洁 斯木吉德 陈浩 刘波 张晨
..... 崔银雪 何利娜 曹家铭 武思同 刘飞鸿(55)
- 规模化养殖场的羊只智能称重分栏系统设计
..... 孙建英 宣传忠 于文波 郝敏 朱晓波(64)
- 肉鸡成肌细胞的分离培养与鉴定
..... 陈凯凯 张成 赵菲 王驰 王孝成 耿照玉 姜润深(72)
- 蜂群行为监测方法及应用研究综述
..... 刘升平 吕纯阳 郭秀明 刘大众 肖顺夫 杨菲菲 刘航(80)
- 基于文献计量的塑料地膜研究发展态势分析
..... 刘婷婷 侯丽君 刘佳茜 王沛媛 林雁冰 党亚爱(90)
- 大豆收获机纵轴流柔性脱粒装置脱出物分布规律
..... 陈艳普 康艳 王廷恩 宁新杰 金诚谦 印祥(104)

结合深度学习和引导滤波的苹果叶片图像分割

..... 郑艳梅 黄光耀 芦碧波 王永茂(112)

连续4年不同放牧强度内蒙古典型草原土壤微生物量碳、氮、磷含量差异

..... 朱晓亚 李子豪 赵小蓉 林启美 李贵桐(121)

基于生态足迹模型的吉林省水资源可持续利用评价

..... 朱光磊 赵春子 朱卫红 佟守正(131)

内蒙古典型草原区光伏电板降水再分配与土壤水分蒸散分异规律

..... 翟波 党晓宏 陈曦 刘湘杰 杨世荣(144)

基于DMSP/OLS和NPP/VIIRS数据的新疆城市扩展时空变化研究

..... 图尔荪阿依·如孜 阿里木江·卡斯木 高鹏文 赵孟辰(156)

我国冬油菜生产的技术效率地区差异及其影响因素

——以四川、湖北等11省市为例 陈云飞 冯中朝 杜为公(166)

山东省粮食生产时空格局演变及安全评价 于元赫 吴健 李子君 胡蕾(176)

江苏城市土地利用结构及其效率与城市化耦合协调性测度与评估

..... 付永虎 姚莹莹 刘俊青 刘铁 魏范青(187)

新型农业经营主体有能力带动小农户发展吗

——基于技术效率比较视角 许佳彬 王洋 李翠霞(200)

不同资本匮乏型农户的风险应对策略

——以陕南秦巴山区为例 苏芳 宋妮妮 马静 罗文春(215)

农业机械化对农户主粮种植面积的影响 彭继权 张利国(227)

期刊基本参数:CN 11-3837/S * 1996 * m * A4 * 238 * zh * P * ¥30.00 * 1 000 * 22 * 2020-09

CONTENTS

- Overview of detection methods and standardization for transgenic plants
..... ZHANG Xiaolei, ZHANG Qiuyan, XIONG Wei, SHEN Ping(1)
- Evolution and developing trend of global biotech/GM crops YANG Shuguo(13)
- Analysis of physiological indexes and quality in mutant progeny of soybean stay-green mutants
..... ZHENG Yun, YIN Yizhen, WEN Hongwei, WANG Peng, LI Guiquan(27)
- Cloning of *PpCBF2* gene in peach and its response to low temperature expression
..... SONG Yanbo, ZHAO Xiaohui, WANG Kejie, LI Yaoxia,
CHEN Shuangjian, MEI Xia, LI Hong, WU Guoliang(36)
- Genetic and expression stability analysis of exogenous gene in long-term subcultured
transgenic apples (*Malus* × *domestica* Borkh.) LI Yusheng, CHEN Long, CHENG Hehe,
ZHAO Yanhua, WU Yaqin, LI Yougang, WU Yongjie(46)
- Effects of supplementary feeding on growth performance and blood biochemical
index of grazing Simmental calves XU Ping, Aorigele, WANG Chunjie,
Simujide, CHEN Hao, LIU Bo, ZHANG Chen, CUI Yinxue,
HE Lina, CAO Jiaming, WU Sitong, LIU Feihong(55)
- Design of intelligent sheep weighing and grouping system for large-scale sheep farms
..... SUN Jianying, XUAN Chuanzhong, YU Wenbo, HAO Min, ZHU Xiaobo(64)
- Isolation, culture and identification of primary myoblasts from broiler
..... CHEN Kaikai, ZHANG Cheng, ZHAO Fei, WANG Chi,
WANG Xiaocheng, GENG Zhaoyu, JIANG Runshen(72)
- Research review on the methods and application of bee colony behavior monitoring
..... LIU Shengping, LV Chunyang, GUO Xiuming, LIU Dazhong,
XIAO Shunfu, YANG Feifei, LIU Hang(80)
- Development trend analysis of plastic mulching film based on bibliometric analysis
..... LIU Tingting, HOU Lijun, LIU Jiaxi,
WANG Peiyuan, LIN Yanbing, DANG Yaai(90)
- Distribution regularities of the threshed mixtures in longitudinal axial flow flexible thresher of
soybean harvester CHEN Yanpu, KANG Yan, WANG Tingen,
NING Xinjie, JIN Chengqian, YIN Xiang(104)

- An apple leaf image segmentation algorithm using deep learning and guided filtering *ZHENG Yanmei, HUANG Guangyao, LU Bibo, WANG Yongmao*(112)
- Differences of soil microbial biomass C, N and P contents in typical grasslands of Inner Mongolia under different grazing intensities *ZHU Xiaoya, LI Zihao, ZHAO Xiaorong, LIN Qimei, LI Guitong*(121)
- Evaluation of sustainable water resources utilization in Jilin Province based on the ecological footprint model *ZHU Guanglei, ZHAO Chunzi, ZHU Weihong, TONG Shouzheng*(131)
- Difference regularity of precipitation redistribution and soil water evapotranspiration in photovoltaic panels in typical steppe areas of Inner Mongolia *ZHAI Bo, DANG Xiaohong, CHEN Xi, LIU Xiangjie, YANG Shirong*(144)
- Study on the spatiotemporal changes of Xinjiang urban expansion based on DMSP/OLS and NPP/VIIRS data *Tuersunayi RUZI, Alimujiang KASIMU, GAO Pengwen, ZHAO Mengchen*(156)
- Regional differences of technical efficiency in China's winter rapeseed production: A case study of 11 provinces or cities including Sichuan and Hubei *CHEN Yunfei, FENG Zhongchao, DU Weigong*(166)
- Spatial-temporal patterns variation of grain production and security evaluation in Shandong Province *YU Yuanhe, WU Jian, LI Zijun, HU Lei*(176)
- Measurement and evaluation of coupling and coordination degree between land use structures, land use efficiency and urbanization in Jiangsu Province *FU Yonghu, YAO Yingying, LIU Junqing, LIU Tie, WEI Fanqing*(187)
- Is new agricultural management entity capable of promoting the development of smallholder farmers: From the perspective of technical efficiency comparison *XU Jiabin, WANG Yang, LI Cuixia*(200)
- Risk coping strategies for different capital-deficient farmers: Taking the Qinba mountains in southern Shaanxi Province as an example *SU Fang, SONG Nini, MA Jing, LUO Wenchun*(215)
- Influence of agricultural machinery on the planting area of farmers' main grains *PENG Jiquan, ZHANG Liguo*(227)

官方网站



中国农业大学学报
Zhongguo Nongye Daxue Xuebao

(月刊, 1996年创刊)

第25卷 第9期 2020年9月

主管单位 中华人民共和国教育部

主办单位 中国农业大学

主编 李保国

副主编 袁文业

编辑出版 《中国农业大学学报》编辑部
100193 北京海淀区圆明园西路2号
010-6273 2619

印 刷 北京科信印刷有限公司

国内发行 《中国农业大学学报》编辑部

国外发行 中国国际图书贸易总公司
(北京399信箱)

**JOURNAL OF CHINA
AGRICULTURAL UNIVERSITY**

(Monthly, Started in 1996)

Vol. 25 No. 9 Sept. 2020

Responsible Institution Ministry of Education of P. R. C.

Sponsored by China Agricultural University

Editor-in-chief LI Baoguo

Edited, Published and Distributed by Editorial Board of
Journal of China Agricultural University

Address No. 2 Yuanmingyuan Xilu, Beijing 100193, China

Abroad Distributed by China International Book

Trading Corporation, P. O. Box 399, Beijing, China

Telephone +86-10-6273 2619

E-mail xuebao@cau.edu.cn **http:** //zgnydxxb.iournals.cn

刊号 ISSN 1007 - 4333
CN 11 - 3837/S

国内定价 30.00元/期
360.00元/年

ISSN 1007-4333

