

目 次

我国秸秆资源管理政策发展研究…………… 陈超玲 杨阳 谢光辉(1)

不同 pH 磷酸缓冲液对冬小麦花后干旱胁迫的减缓效应研究
…………… 赵姣 王超 张俊丽 钱景琪 居辉 王志敏 张英华(12)

不同施肥模式对南方红壤旱地春玉米生物学特性的影响
…………… 肖小平 唐海明 汤文光 汪柯 郭立君 张帆 杨光立(19)

基于高光谱技术的覆膜旱作水稻植株氮含量及籽粒产量估算
…………… 宋红燕 胡克林 彭希(27)

谷子秸秆水浸提液对玉米苗期生长的化感作用研究
…………… 董淑琦 原向阳 温银元 郭平毅 胡春艳 聂磊云 吕亚楠(35)

退化草地土壤上不同豆科作物根系生长特征的研究
…………… 郭秀卿 杜天庆 郝建平 崔福柱 杨珍平(43)

番茄第 9 号染色体上抗晚疫病基因的发掘及表达模式 …………… 莫云容 张培欣 邓明华
杨正安 朱海山 张宏 鲍继艳 胡文岩 汤晓倩 马仲飞 文玲 赵凯(52)

红蓝光下光强对生菜电能、光能利用效率及品质的影响…………… 王君 杨其长 仝宇欣(59)

农药控释剂的研究与应用进展 …………… 冯建国 郝倩瑶
孙陈铖 杨关天 吴学民 瞿唯钢(67)

GnRH 主动去势免疫对公猪肝脏脂肪代谢的影响
…………… 王作伟 韩兴发 杜小刚 曾宪垠 曹晓涵(77)

砷和铅对 HepG2 细胞毒性和氧化损伤的研究
…………… 刘恩 郑楠 范彩云 张养东 王尚 黄帅 程建波(84)

畜禽源大肠杆菌质粒介导 β -内酰胺酶检测及其耐药基因特性研究
…………… 舒刚 侯蓉 林居纯 钟钦卿 刘颂蕊 邓向东(92)

| | | | | | | | |
|-------------------------------------|-----|-----|-------|-------|-------|-------|-------|
| 鲟鱼片冷藏过程中品质变化规律与预测模型 | 王回忆 | 孔春丽 | 罗永康 | (98) | | | |
| 家庭压力烹调对绿豆抗氧化能力的影响 | 王蓉 | 朱晓倩 | 范志红 | (105) | | | |
| 花生荚果碰撞模型中恢复系数的测定及分析 | 陆永光 | 吴努 | 王冰 | 于昭洋 | 林德志 | 胡志超 | (111) |
| 应用机器视觉技术筛选射干种子精选指标的研究 | 叶凤林 | 李琳 | 杨丽明 | 王建华 | 孙群 | (119) | |
| 基于田间原位土壤含水量估测的可见/近红外光谱建模方法 | 刘广霖 | 郭焱 | 劳彩莲 | 徐兴阳 | 秦春丽 | (125) | |
| 滨海生态脆弱区土地利用功能时空分异特征研究 | 冯菲 | 门明新 | 霍习良 | (132) | | | |
| 陕西省气候变化及其气候生产潜力的时空变化 | 董思 | 任志远 | 张翀 | 韦振锋 | 张静 | (142) | |
| 农业对气候变化响应研究的进展与前瞻:以水稻为例 | 张露 | 张俊飏 | 童庆蒙 | (150) | | | |
| 动物疫病损失经济学评估方法研究——“标准单位疫病”法 | 廖祺 | 游士兵 | (159) | | | | |
| 农村合作金融机构信贷风险内控体系评价研究 | 张云燕 | 刘清 | 王磊玲 | 罗剑朝 | (169) | | |
| 工作环境、工作强度与农民工工作流动 | 孙小龙 | 王丽明 | 贾伟 | (176) | | | |

CONTENTS

- Study of the development of crop straw management policy in China
..... CHEN Chao-ling, YANG Yang, XIE Guang-hui (1)
- Study on different pH buffers reducing the effect of drought stress after anthesis on
winter wheat ZHAO Jiao, WANG Chao, ZHANG Jun-li, QIAN Jing-qi,
JU Hui, WANG Zhi-min, ZHANG Ying-hua (12)
- Effects of different fertilization modes on biological characteristics of spring maize in red soil
upland in southern China XIAO Xiao-ping, TANG Hai-ming, TANG Wen-guang,
WANG Ke, GUO Li-jun, ZHANG Fan, YANG Guang-li (19)
- Crop nitrogen content diagnosis and yield estimation in ground cover rice production system
based on hyperspectral data SONG Hong-yan, HU Ke-lin, PENG Xi (27)
- Allelopathic effects of the water extracts of foxtail millet straw on maize growth at seedling stage
..... DONG Shu-qi, YUAN Xiang-yang, WEN Yin-yuan, GUO Ping-yi,
HU Chun-yan, NIE Lei-yun, LV Ya-nan (35)
- Root growth characteristics of different leguminous crop in degraded grassland soil
..... GUO Xiu-qing, DU Tian-qing, HAO Jian-ping, CUI Fu-zhu, YANG Zhen-ping (43)
- Research on the excavation and response patterns of genes resistant to late blight located in the
No. 9 chromosome of tomato MO Yun-rong, ZHANG Pei-xin, DENG Ming-hua,
YANG Zheng-an, ZHU Hai-shan, ZHANG Hong, BAO Ji-yan, HU Wen-yan,
TANG Xiao-qian, MA Zhong-fei, WEN Ling, ZHAO Kai (52)
- Effects on electric-energy and light use efficiency and quality for lettuce under different light intensities
supplied with red light and blue light WANG Jun, YANG Qi-chang, TONG Yu-xin (59)
- Progress in research and application of formulations for controlled release of pesticide
..... FENG Jian-guo, YU Qian-yao, SUN Chen-cheng, YANG Guan-tian,
WU Xue-min, QU Wei-gang (67)
- Effects of active immunization against GnRH on hepatic lipid metabolism in male pig
..... WANG Zuo-wei, HAN Xing-fa, DU Xiao-gang, ZENG Xian-yin, CAO Xiao-han (77)
- Effects of arsenic and lead on cytotoxicity and oxidative stress in HepG2
..... LIU En, ZHENG Nan, FAN Cai-yun, ZHANG Yang-dong,
WANG Shang, HUANG Shuai, CHENG Jian-bo (84)

- Detection of *Escherichia coli* plasmid-mediated β -lactamase from livestock and poultry and
characterization of antimicrobial resistance SHU Gang, HOU Rong, LIN Ju-chun,
ZHONG Qin-qing, LIU Song-rui, DENG Xiang-dong (92)
- Modeling quality changes in sturgeon (*Acipenser sinensis*) fillets during storage
..... WANG Hui-yi, KONG Chun-li, LUO Yong-kang (98)
- Effect of domestic pressure cooking on antioxidant capacity of mung beans
..... WANG Rong, ZHU Xiao-qian, FAN Zhi-hong (105)
- Measurement and analysis of peanuts' restitution coefficient in point-to-plate collision mode
..... LU Yong-guang, WU Nu, WANG Bing, YU Zhao-yang, LIN De-zhi, HU Zhi-chao (111)
- Belamcanda chinensis* (L.) DC. seeds selection based on machine vision technology
..... YE Feng-lin, LI Lin, YANG Li-ming, WANG Jian-hua, SUN Qun (119)
- Estimation of soil water content *in situ* by using visible/near infrared spectrum modeling
..... LIU Guang-lin, GUO Yan, LAO Cai-lian, XU Xing-yang, QIN Chun-li (125)
- Study on spatial and temporal variation of land use function in the coastal zone
..... FENG Fei, MEN Ming-xin, HUO Xi-liang (132)
- Spatial-temporal changing characteristics of climate and its potential productivity in Shaanxi Province
..... DONG Si, REN Zhi-yuan, ZHANG Chong, WEI Zhen-feng, ZHANG Jing (142)
- Progress and prospect of research on the response of agriculture to climate change:
From the perspective of rice ZHANG Lu, ZHANG Jun-biao, TONG Qing-meng (150)
- Economic evaluation method research on losses arising from animal epidemics:
“Standard-unit-epidemic-disease (SUED)” evaluation method LIAO Qi, YOU Shi-bing (159)
- Evaluation of the internal control system of rural cooperative financial institutions' credit risk
..... ZHANG Yun-yan, LIU Qing, WANG Lei-ling, LUO Jian-chao (169)
- Work environment, work intensity and job flow of migrant workers
..... SUN Xiao-long, WANG Li-ming, JIA Wei (176)