

## 目 次

施氮量对新疆滴灌冬小麦冠层结构及其小气候特征的影响

..... 雷钧杰 张永强 陈兴武 赛力汗·赛 薛丽华 范贵强 王志敏(1)

基于生命周期法评价山西省 2004—2013 年小麦碳足迹动态及其构成解析

..... 薛建福 李慧 高志强 张海林 杜天庆(15)

水稻籼爪交重组自交系穗部性状变异分析

..... 武玲 向珣朝 杨博文 许亮 颜李梅(26)

辽棉 19 号转化耐盐基因 *AlNHX1* 的研究 ..... 丰明 王旭达 王鹤 张高华(36)

基于柿雌雄花芽转录组测序的 SSR 和 SNP 多态性分析

..... 杜改改 孙鹏 索玉静 韩卫娟 刁松峰 傅建敏 李芳东(45)

不同地膜覆盖对土壤水温及谷子水分利用和产量构成的影响

..... 郭大辛 郭平毅 原向阳 董淑琦 王东明 李永虎(56)

基于节水灌溉技术的民勤绿洲土地利用空间布局和利用方式调整

..... 谢臻 张凤荣 王瀚巍 孙丹峰 伦飞 李超(65)

水分胁迫对不同紫花苜蓿品种幼苗生长特性和根系 ABA 含量的影响

..... 李跃 万里强 李向林 毕舒贻 黄海燕 栗振义 曹婧(75)

GPx5 在内蒙古绒山羊附睾中的表达 ..... 范晓梅 栗瑞兰 张通 边小娜 张家新(84)

山羊小肠上皮细胞分离培养与鉴定

..... 李小芬 詹康 张响英 陶勇 杨晓志 顾文婕(91)

安氏隐孢子虫 ABC2 基因的克隆表达与营养物质转运

..... 王菊花 王佳明 刘丹丹 王攀 周杰 薛秀恒(97)

日光温室不同类型起垄内嵌式基质栽培垄冬季温热变化及甜椒苗期生长比较

..... 傅国海 杨其长 刘文科(103)

拱形屋面温室纵向抗风分析中的曲梁刚度矩阵模型

..... 郭韦佟 朱丹 宓林 蒋秀根(113)

直线电磁振动下玉米种子定向传输的模拟仿真试验与验证

..... 邢洁洁 徐丽明 袁全春 刘旭东 陈俊威 王荣炎(120)

无人旋翼机航空施药有效喷幅确定方法比较

..... 宋坚利 刘杨 刘亚佳 何雄奎 李永娜 王昌陵 王士林(126)

基于改进随机 Hough 变换的椭圆形农产品大小分级 .....

符子祥 崔艳(133)

县域尺度上基于 GF-1 PMS 影像的冬小麦种植面积遥感监测

..... 田海峰 周伯燕 陈燕芬 邬明权 牛铮(139)

河北省曲周县景观格局演变及生态服务价值响应研究

..... 石雪洁 郝晋珉 管青春 李牧 王楠 车澳(147)

基于生态位适宜度的南方花岗岩区崩岗发生敏感性评价方法

..... 季翔 黄炎和 林金石 蒋芳市 陈嘉林(159)

社会资本对村委会农业减灾公共品供给职能影响研究

——基于湖北省 700 户农户的调查数据..... 严奉宪 杨雨佳 姜艺(169)

产业比较视角下的农业贷款绩效评价..... 侯涛 杜彦坤(180)

食物安全测量指标比较与影响因素分析..... 余颖雅 毕洁颖 黄佳琦 聂凤英(192)

中国农业绿色生产效率的区域差异及其影响因素分析

..... 李兆亮 罗小锋 薛龙飞 张俊飚(203)

农村妇女土地权益、家庭收入与土地政策——基于福建省调查数据

..... 黄森慰 师硕 王翊嘉 郑逸芳(213)

## CONTENTS

- Effects of nitrogen fertilizer rate on canopy structure and microclimate characteristics of  
drip-irrigated winter wheat in Xinjiang ..... LEI Junjie, ZHANG Yongqiang,  
CHEN Xingwu, SAILIHAN Sai, XUE Lihua, FAN Guiqiang, WANG Zhimin (1)
- Dynamic of carbon footprint and its composition for wheat production based on  
life cycle assessment from 2004 to 2013 in Shanxi Province  
..... XUE Jianfu, LI Hui, GAO Zhiqiang, ZHANG Hailin, DU Tianqing (15)
- Analysis on the panicle traits variation of recombinant inbred line derived from the  
hybridization of *Indica* and *Javanica*  
..... WU Ling, XIANG Xunchao, YANG Bowen, XU Liang, YAN Limei (26)
- Research on transforming salt-tolerant gene *AlNHX1* to cotton Liao19  
..... FENG Ming, WANG Xuda, WANG He, ZHANG Gaohua (36)
- SSR and SNP polymorphism analysis based on persimmon (*Diospyros kaki*) transcriptome  
..... DU Gaigai, SUN Peng, SUO Yujing, HAN Weijuan,  
DIAO Songfeng, FU Jianmin, LI Fangdong (45)
- Effects of different film mulching on soil moisture, temperature and water use efficiency,  
yield components of millet ..... GUO Daxin, GUO Pingyi, YUAN Xiangyang,  
DONG Shuqi, WANG Dongming, LI Yonghu (56)
- Adjustment of land use spatial structure and use pattern based on modern agriculture in Minqin oasis  
..... XIE Zhen, ZHANG Fengrong, WANG Hanwei, SUN Danfeng, LUN Fei, LI Chao (65)
- Effects of water stress on the growth characteristics and root ABA content of alfalfa  
..... LI Yue, WAN Liqiang, LI Xianglin, BI Shuyi, HUANG Haiyan, LI Zhenyi, CAO Jing (75)
- Expression of GPx5 in the epididymis of Inner Mongolia Cashmere goat  
..... FAN Xiaomei, LI Ruilan, ZHANG Tong, BIAN Xiaona, ZHANG Jiaxin (84)
- Isolation culture and identification of goat intestinal epithelial cells  
..... LI Xiaofen, ZHAN Kang, ZHANG Xiangying, TAO Yong, YANG Xiaozhi, GU Wenjie (91)
- Cloning expression and nutrient transportation of *Cryptosporidium andersoni*  
ATP-binding cassette 2 gene ..... WANG Juhua, WANG Jiaming, LIU Dandan,  
WANG Pan, ZHOU Jie, XUE Xiuheng (97)
- Diurnal temperature and heat exchange changes of soil ridged substrate-embedded cultivation ridges  
as well as their sweet pepper seedlings growth differences in winter in Chinese solar greenhouse  
..... FU Guohai, YANG Qichang, LIU Wenke (103)

- Curved beam stiffness matrix model for the longitudinal wind resistance analysis of arch roof  
greenhouse ..... GUO Weitong ,ZHU Dan ,MI Lin ,JIANG Xiugen(113)
- Simulation test and verification of corn seeds' directional transmission under linear  
electromagnetic vibration ..... XING Jiejie ,XU Liming ,YUAN Quanchun ,  
LIU Xudong ,CHEN Junwei ,WANG Rongyan(120)
- Effective spray swath width determination of aerial spraying using unmanned aerial vehicle  
..... SONG Jianli ,LIU Yang ,LIU Yajia ,HE Xiongkui ,LI Yongna ,  
WANG Changling ,WANG Shilin(126)
- Size classification of elliptical agricultural products based on improved Random Hough Transform  
..... FU Zixiang ,CUI Yan(133)
- Extraction of winter wheat acreage based on GF-1 PMS remote sensing image on county scale  
..... TIAN Haifeng ,ZHOU Boyan ,CHEN Yanfen ,WU Mingquan ,NIU Zheng(139)
- Response of ecosystem service values to the landscape patterns change in Quzhou County ,  
Hebei Province) ..... SHI Xuejie ,HAO Jinmin ,GUAN Qingchun ,LI Mu ,WANG Nan ,CHE Ao(147)
- Sensitivity assessment method of collapsed gully occurrence in granite region of  
South China based on niche-fitness ..... JI Xiang ,HUANG Yanhe ,  
LIN Jinshi ,JIANG Fangshi ,CHEN Jialin(159)
- Impacts of social capital on village committee's supply function of public goods for agricultural  
damage mitigation: Survey from 700 rural residents in Hubei Province  
..... YAN Fengxian ,YANG Yujia ,JIANG Yi(169)
- Evaluation of agricultural loan performances based on perspective of industrial comparisons  
..... HOU Tao ,DU Yankun(180)
- Food security measurements comparison and determinants analysis  
..... YU Yingya ,BI Jieying ,HUANG Jiaqi ,NIE Fengying(192)
- Agricultural green technical efficiency and its affecting factors in China  
..... LI Zhaoliang ,LUO Xiaofeng ,XUE Longfei ,ZHANG Junbiao(203)
- Rural women right in land, household income and land policy: Based on the survey data of Fujian  
..... HUANG Senwei ,SHI Shuo ,WANG Yijia ,ZHENG Yifang(213)