

目 次

氮肥后移对滴灌夏玉米源库特性及产量形成的影响
 王佳慧 高震 曲令华 吕新月 梁效贵 张莉 周顺利(1)

利用荚果厚度变化评价大豆鼓粒期的耐旱性..... 李得孝 梁福琴 汪勇 王中华 樊晨(9)

东北春玉米不同生育阶段日蒸散发模型的适用性研究
 吴东 何奇瑾 潘志华 周广胜 董智强 韩国琳
 张婧婷 赵慧 黄蕾 潘宇鹰 王佳琳 樊栋梁(18)

奶牛静脉血、胎盘组织、脐静脉血及犊牛静脉血脂联素与犊牛初生重相关性研究
 沈留红 巫晓峰 肖劲邦 江涛 傅宏庆
 姜思汛 余树民 邓俊良 左之才 曹随忠(30)

16 种中草药对牛源致病性大肠杆菌的体外抑菌效果
 阿琪玛 敖日格乐 王纯洁 斯木吉德 畅旺东 阿日查 郭雪梅 陈玉洁(37)

不同施硼方法对紫花苜蓿种子产量与质量的影响
 陈玲玲 张阳阳 毛培胜 梁庆伟 乌仁图雅 王胜男 陈琪(43)

慢性冷热应激对三河牛血液生化指标及相关基因表达的影响
 白丹丹 敖日格乐 王纯洁 畅旺东 徐东贺 贾知锋(50)

原花青素对铁负荷大鼠肝脏功能及 *TfR2*、*hepcidin* 基因表达的影响
 张文芳 云少君 冯翠萍 何兴帅 褚东阳 郭李萌 吴艳丽(57)

沼渣施用对土壤线虫群落结构的影响
 李钰飞 许俊香 孙钦平 刘本生 李季 李吉进(64)

基于土壤和地形约束的耕地识别方法研究——以锦西灌区为例
 李保琦 肖伟华 杨明智 孙青言 宋长虹 侯保灯 董晓勇(74)

蝴蝶兰品质性状综合评价体系的构建 陈和明 吕复兵 李佐 肖文芳 朱根发(83)

冬枣果实物理参数与生物特性研究
 彭俊 MANUEL Vázquez-Arellano 孙世鹏 李瑞 杨有刚 崔永杰 傅隆生(95)

摆动分离筛上马铃薯运动速度分析与试验	谢胜仕 王春光 蒙建国 邓伟刚 王海超 闫建国	(101)
基于超声波的母猪产前行为监测系统设计	张光跃 刘龙申 沈明霞 张宏 OKINDA Cedrick Sean 陈光炜	(109)
青海型主动蓄热日光温室应用性能分析.....	王昭 陈振东 邹志荣 张勇	(116)
苏南地区变量施肥电子处方图系统的构建与应用	李锐 丁永前 余洪锋 杜莹莹 由静 史红棚 丁为民	(124)
Vb 生物膜反应器处理酵母废水的发酵特性研究	姚义 吕育财 李宁 郭金玲 田毅红 龚大春	(133)
省域尺度园、林、草地占用税征收标准研究	程子良 张蕾娜 孔祥斌 史婧然 程佳	(145)
我国肉牛产业链价格非线性波动及传递特征分析.....	石自忠 王明利 胡向东 崔婉	(162)
中外大宗农产品价格波动与传导机制:相关性复杂网络的视角.....	陆刚 冯鑫 陆泓宇	(171)
技术示范、预期风险降低与种粮大户保护性耕作技术行为决策	王振华 李明文 王昱 江金启	(182)
劳动力转移如何影响农村老年人健康——基于路径分析方法的检验	郑晓冬 方向明	(188)

CONTENTS

- Effects of postponing N-fertilizer application by drip fertigation on the characteristics of source-sink and yield formation in summer maize WANG Jiahui, GAO Zhen, QU Linghua, LV Xinyue, LIANG Xiaogui, ZHANG Li, ZHOU Shunli (1)
- Evaluation of soybean drought tolerance based on dynamics of pod thickness LI Dexiao, LIANG Fuqin, WANG Yong, WANG Zhonghua, FAN Chen (9)
- Applicability of daily evapotranspiration models at different growth stages of spring maize in Northeast China WU Dong, HE Qijin, PAN Zhihua, ZHOU Guangsheng, DONG Zhiqiang, HAN Guolin, ZHANG Jingting, ZHAO Hui, HUANG Lei, PAN Yuying, WANG Jialin, FAN Dongliang (18)
- Correlation between adiponectin in cows' venous blood, placenta, cord blood, calves venous blood and calf birth weight SHEN Lihong, WU Xiaofeng, XIAO Jinbang, JIANG Tao, JIANG Sixun, YU Shumin, DENG Junliang, ZUO Zhicai, CAO Suizhong (30)
- Antibacterial effects of Chinese herbal medicines on bovine pathogenic *Escherichia coli in vitro* Aqima, Aorigele, WANG Chunjie, Simujide, CHANG Wangdong, Aricha, GUO Xuemei, CHEN Yujie (37)
- Effects of different fertilizing methods of boron on seed yield and quality of alfalfa CHEN Lingling, ZHANG Yangyang, MAO Peisheng, LIANG Qingwei, Wurentuya, WANG Shengnan, CHEN Qi (43)
- Influences of chronic cold and heat stress on blood biochemical parameters and related gene expression in Sanhe cattle BAI Dandan, Aorigele, WANG Chunjie, CHANG Wangdong, XU Donghe, JIA Zhifeng (50)
- Effects of proanthocyanidins on the liver function and *Tfr2*, *hepcidin* gene expression in iron overload rats ZHANG Wenfang, YUN Shaojun, FENG Cui ping, HE Xingshuai, CHU Dongyang, GUO Limeng, WU Yanli (57)
- Effects of biogas residue application on soil nematode community structure LI Yufei, XU Junxiang, SUN Qinp ing, LIU Bensheng, LI Ji, LI Jijin (64)
- Cultivated land identification based on soil properties and terrain features identification:
A case study of Jinxi Irrigation Area LI Baoqi, XIAO Weihua, YANG Mingzhi, SUN Qingyan, SONG Changhong, HOU Baodeng, DONG Xiaoyong (74)
- Establishment of comprehensive evaluation system on quality traits in *Phalaenopsis* CHEN Heming, LV Fubing, LI Zuo, XIAO Wenfang, ZHU Genfa (83)

- Study on the physical and biological properties of winter jujube fruit
 *PENG Jun, MANUEL Vázquez-Arellano, SUN Shipeng, LI Rui, YANG Yougang, CUI Yongjie, FU Longsheng* (95)
- Velocity analysis and experiment of potato on swing separation sieve *XIE Shengshi, WANG Chunguang, MENG Jianguo, DENG Weigang, WANG Haichao, YAN Jianguo* (101)
- Monitoring system design of sow's antenatal behavior based on ultrasonic
 *ZHANG Guangyue, LIU Longshen, SHEN Mingxia, ZHANG Hong, OKINDA Cedric Sean, CHEN Guangwei* (109)
- Application performance analysis on active heating storage greenhouse of Qinghai style
 *WANG Zhao, CHEN Zhendong, ZHOU Zhirong, ZHANG Yong* (116)
- Construction and application of the electronic prescription map system of variable rate fertilization
 in southern Jiangsu *LI Rui, DING Yongqian, YU Hongfeng, DU Yingying, YOU Jing, SHI Hongxu, DING Weimin* (124)
- Study on fermentation characteristics of yeast wastewater treated by biofilm reactor
 *YAO Yi, LV Yucai, LI Ning, GUO Jinling, TIAN Yihong, GONG Dachun* (133)
- Study on expropriation standards of orchard, forestland, and farmland occupation tax at provincial level
 *CHENG Ziliang, ZHANG Leina, KONG Xiangbin, SHI Jingran, CHENG Jia* (145)
- Nonlinear prices fluctuation and transmission of beef cattle industry chain in China
 *SHI Zizhong, WANG Mingli, HU Xiangdong, CUI Cha* (162)
- Price fluctuation and transmission mechanism of bulk agricultural products in domestic and abroad:
 Based on correlation complex network *LU Gang, FENG Xin, LU Hongyu* (171)
- Technology demonstration, expected risk reduction and large crop-land owners' behavior decision on the conservation tillage technology
 *WANG Zhenhua, LI Mingwen, WANG Yu, JIANG Jinqi* (182)
- How labor migration affects the health of the elderly in rural areas: Tests based on Path Analysis method *ZHENG Xiaodong, FANG Xiangming* (188)