

目 次

- 基于解释结构模型和模糊分析的黄淮海平原区土地利用结构优化
——以河北省曲周县为例…………… 史云扬 郝晋珉 陈红(1)
- 大豆生育期 *E1*、*E2*、*E3* 和 *E4* 基因的研究与应用
…………… 吕世翔 王萍 孙明明 夏正俊(12)
- 马铃薯 *StTrxF* 基因的克隆与功能分析
…………… 陈新红 叶玉秀 王永俊 陈许兵 牛远 周青 王飞兵(20)
- 木薯 *MebZIP7* 和 *MebZIP9* 基因的克隆及其转录活性分析
…………… 孟宇红 陈新 马平安 宋羽 张圣奎 王文泉(28)
- 不同氮肥处理对荞麦干物质积累、农艺性状及产量的影响
…………… 白文明 张伟丽 侯亚方 夏美娟 宫香伟 王鹏科 高小丽 高金锋(38)
- 柿雄花表型及花粉形态多样性研究
…………… 索玉静 孙鹏 韩卫娟 刁松锋 傅建敏 李芳东(48)
- 一种新型设施草莓立体栽培模式的探讨 …………… 揭琳南 焦书磊 王秀娟 王红清(61)
- 基于高通量转录组测序阿尔巴斯型绒山羊绒毛生长周期差异表达基因分析
…………… 赵濛 刘志红 奈日乐 谢遇春 马丽娜 米璐 李金泉 李婕(69)
- 黄体期和卵泡期小尾寒羊 *KiSS-1* 与 *RFRP-3* 组织表达研究
…………… 安雪姣 潘章源 赵生国 李春艳 田志龙 狄冉 刘秋月
胡文萍 王翔宇 张效生 张金龙 蔡原 储明星(82)
- 雄激素和氢化可的松对山羊附睾头上皮细胞增殖的影响
…………… 栾兆进 范晓梅 宋慧子 栗瑞兰 张通 张家新(91)
- 山羊睾丸支持细胞分离培养及其氧化应激效果研究
…………… 王菊花 刘丹丹 刘琦 王佳明 董静 周杰 薛秀恒(99)
- 西藏牦牛源肠出血性大肠杆菌毒力基因检测与进化分析
…………… 赵燕娟 王刚 索朗斯珠(107)
- 揉碎玉米秸秆螺旋输送装置参数试验优化…………… 乌兰图雅 王春光 赵方超 王晓蓉(115)
- 饲用甜高粱秸秆应力松弛特性及参数优化的试验研究
…………… 杜晓雪 郭文斌 王春光 王洪波 靳敏 刘晓东 李建(123)

基于改进 C-V 模型的棉花叶片目标提取方法

..... 李凯 张建华 韩书庆 孔繁涛 吴建寨(132)

大豆冠层多源图像特征点配准方法研究

..... 关海鸥 朱可心 冯佳睿 马晓丹 于崧(145)

基于非参数雨流外推法的车架载荷谱与疲劳寿命分析..... 宋清椿 宋正河 杜岳峰(154)

基于 DEM 的坡形与水土流失的关系——以西溪小流域为研究区

..... 季翔 黄炎和 林金石 蒋芳市 余明明(161)

石家庄市栾城区农地经营规模与农业生产效率的关系

..... 肖瑶 张小雪 樊嘉琦 温良友 伦飞 段增强(172)

基于 SLEUTH 模型的鄂尔多斯城市扩张模拟分析 米媛 姜博 陈颜 崔顺利(183)

农户土地经营权流转意愿的决定:成本收益还是政策环境?

——基于小农户和种粮大户分化视角

..... 陈雪婷 黄炜虹 齐振宏 季恒 左志平(191)

我国省际区域生态效率的空间收敛性研究..... 吴义根 冯开文 曾珍(202)

重金属污染区农户休耕意愿的影响因素及其差异性分析

——基于湖南省 243 个农户的问卷调查..... 刘丹 杨文杰 巩前文(215)

我国生猪养殖业生产效率的影响因素研究

——基于自繁自养型养猪场户的调研数据..... 沈鑫琪 乔娟 王萌(228)

福建与台湾渔业国际竞争力及其影响因素比较研究

——兼论自贸区背景下闽台渔业合作的政策选择..... 郑思宁 王淑琴 郑逸芳(237)

CONTENTS

- Optimization of land use structure in North China Plain based on ISM and fuzzy analysis:
A case study of Quzhou County in Hebei Province
..... SHI Yunyang, HAO Jinmin, CHEN Hong (1)
- Research and application of soybean growth period genes *E1*, *E2*, *E3* and *E4*
..... LV Shixiang, WANG Ping, SUN Mingming, XIA Zhengjun (12)
- Cloning and function analysis of potato *StTrxF* gene
..... CHEN Xinhong, YE Yuxiu, WANG Yongjun,
CHEN Xubing, NIU Yuan, ZHOU Qing, WANG Feibing (20)
- Cloning and transcription profiling of two basic leucine zipper genes, *MebZIP7* and *MebZIP9*,
in cassava MENG Yuhong, CHEN Xin, MA Pingan,
SONG Yu, ZHANG Shengkui, WANG Wenquan (28)
- Effects of different nitrogen treatments on the dry matter accumulation, agronomic traits and
yield of buckwheat BAI Wenming, ZHANG Weili, HOU Yafang, XIA Meijuan,
GONG Xiangwei, WANG Pengke, GAO Xiaoli, GAO Jinfeng (38)
- Study on the male flower phenotype and pollen morphology diversity of persimmon
..... SUO Yujing, SUN Peng, HAN Weijuan, DIAO Songfeng, FU Jianmin, LI Fangdong (48)
- A new type of facility strawberry stereoscopic cultivation mode
..... JIE Linnan, JIAO Shulei, WANG Xiujuan, WANG Hongqing (61)
- Study on differentially expressed genes in the cycle of follicle growth of Arbas cashmere
goat based on transcriptomes with high-throughput RNA-seq technology
..... ZHAO Meng, LIU Zhihong, Nairile, XIE Yuchun, MA Lina, MI Lu, LI Jinquan, LI Jie (69)
- Tissue expression of *KiSS-1* and *RFRP-3* in Small Tail Han sheep at luteal and follicular periods
..... AN Xuejiao, PAN Zhangyuan, ZHAO Shengguo, LI Chunyan, TIAN Zhilong,
DI Ran, LIU Qiuyue, HU Wenping, WANG Xiangyu, ZHANG Xiaosheng,
ZHANG Jinlong, CAI Yuan, CHU Mingxing (82)
- Effects of androgen and hydrocortisone on the proliferation of epididymal epithelial cells in goat
..... LUAN Zhaojin, FAN Xiaomei, SONG Huizi, LI Ruilan, ZHANG Tong, ZHANG Jiaxin (91)
- Isolation, culture and oxidative stress of goat Sertoli cells
..... WANG Juhua, LIU Dandan, LIU Qi, WANG Jiaming,
DONG Jing, ZHOU Jie, XUE Xiuheng (99)
- Virulence gene detection and phylogenetic analysis of enterohemorrhagic *Escherichia coli*
from yak in Tibet ZHAO Yanjuan, WANG Gang, Suolangsizhu (107)

- Experiment and optimization of screw conveyor parameters for rubbing and breaking
corn straw *Wulantuya, WANG Chunguang, ZHAO Fangchao, WANG Xiaorong* (115)
- Stress relaxation characteristics and parameters optimization of feed sweet sorghum
..... *DU Xiaoxue, GUO Wenbin, WANG Chunguang,*
WANG Hongbo, JIN Min, LIU Xiaodong, LI Jian (123)
- Target extraction of cotton disease leaf images based on improved C-V model
..... *LI Kai, ZHANG Jianhua, HAN Shuqing, KONG Fantao, WU Jianzhai* (132)
- Registering feature points for multi-source images of soybean canopies
..... *GUAN Haiou, ZHU Kexin, FENG Jiarui, MA Xiaodan, YU Song* (145)
- Load spectrum and fatigue life analysis of frame based on non-parametric rainflow
extrapolation method *SONG Qingchun, SONG Zhenghe, DU Yuefeng* (154)
- Relationship between slope shape and soil and water loss: A case study of Xixi catchment
watershed *JI Xiang, HUANG Yanhe, LIN Jinshi, JIANG Fangshi, YU Mingming* (161)
- Study on the relationship between farmland scale operation and agricultural production efficiency in
Luancheng District, Shijiazhuang City *XIAO Yao, ZHANG Xiaoxue, FAN Jiaqi,*
WEN Liangyou, LUN Fei, DUAN Zengqiang (172)
- Simulation analysis of urban expansion in Ordos based on SLEUTH model
..... *MI Yuan, JIANG Bo, CHEN Yan, CUI Shunli* (183)
- Determinants of farmers' willingness in circulation of land management right: Cost benefit or
policy factors? From the perspective of small farmers and large grain-planting farmers
differentiation *CHEN Xueting, HUANG Weihong, QI Zhenhong,*
JI Heng, ZUO Zhiping (191)
- Spatial convergence of inter-provincial eco-efficiency in China
..... *WU Yigen, FENG Kaiwen, ZENG Zhen* (202)
- Influencing factors and differences of farmers' fallow willingness in heavy metal
contaminated area *LIU Dan, YANG Wenjie, GONG Qianwen* (215)
- Influencing factors on production efficiency of pig breeding industry in China:
Based on farrow-to-finish pig farms' survey data
..... *SHEN Xinqi, QIAO Juan, WANG Meng* (228)
- Comparative analysis on fishery international competitiveness and its influential factors:
Discussion on the cooperation countermeasures between Fujian and Taiwan under
the background of China (Fujian) Pilot Free Trade Zone
..... *ZHENG Sining, WANG Shuqin, ZHENG Yifang* (237)