

目 次

植物水平基因转移研究进展…………… 陈志文 王玉美 聂虎帅 王梅燕 华金平(1)

拟南芥翻译起始因子 eIF5B-1 调控种子萌发的分子机制
…………… 寇小霞 张丽媛 赵月 田雪军 郭伟龙 辛明明 彭惠茹(12)

华北平原不同轮作模式固碳减排模拟研究
…………… 姜雨林 陈中督 遆晋松 隋鹏 陈阜(19)

土壤耕层重构与灌水对棉田水分含量及棉花产量性状的影响
…………… 王树林 祁虹 王燕 张谦 冯国艺 林永增 梁青龙 雷晓鹏(27)

不同肥力壤土、棕壤磷酸酶活性对土壤培养温度和含水量的响应
…………… 于星辰 刘倩 温智辉 杨学云 韩晓日 李海港(37)

中国东南沿海大雨、暴雨时空变化特征…………… 张平 延军平 唐宝琪 李英杰 王文静(44)

壳聚糖对黄瓜穴盘苗根际细菌多样性的影响
…………… 董春娟 李亮 张志刚 王玲玲 尚庆茂(54)

叶用莴苣 *LsHsp70-3701* 基因过表达载体的构建及遗传转化体系的优化
…………… 苏振琪 韩莹琰 李雅博 刘然 刘超杰 郝敬虹 范双喜(63)

重瓣榆叶梅花中多糖提取工艺及动态含量研究 …………… 李姣姣 陈媛梅(71)

奶牛瘤胃上皮细胞分离培养与鉴定 …………… 姜茂成 詹康 严康 赵倩明 赵国琦(80)

氯己定碘溶液对奶牛乳头消毒效果的研究
…………… 张春刚 刘光磊 张楠 苏效双 赵国琦 吴聪明 占今舜(87)

版纳微型猪近交系雄激素受体 AR 基因的克隆和表达分析
…………… 王配 李罗刚 张霞 王淑燕 霍海龙 曾日彬 刘民 王雪飞 霍金龙(96)

蒙药成份复方对乳腺炎模型小鼠免疫功能的影响
…………… 高瑞娟 王纯洁 敖日格乐 贾知锋(106)

饮水系统添加微酸性电解水对蛋鸡肠道微生物的影响…………… 王阳 张家发 李保明(113)

| | | |
|---|-----------------------------|-------|
| 温室风振分析中的压杆弯曲振动动态刚度阵模型····· | 邓婷 姜旭瞳 丁敏 汤丽锋 | (120) |
| 基于 EDEM 仿真的有机肥深施肥控制系统的设计 ····· | 史丽娜 徐丽明 邢洁洁 袁全春 刘旭东 陈俊威 王荣炎 | (126) |
| 干旱地区深松灭茬镇压联合整地机的研究与试验 ····· | 康迪鑫 孙伟 张涛 李迪 吴建民 | (133) |
| 生产建设项目水土保持监管空间信息系统研究····· | 闫佳杰 史明昌 高志强 | (143) |
| 中国农业面源污染排放的空间差异及其动态演变 ····· | 丘雯文 钟涨宝 原春辉 李兆亮 | (152) |
| 社会资本能否缓解农户正规信贷需求抑制? ——基于 4 省粮食种植户的实证分析 ····· | 魏昊 李芸 吕开宇 王晶 | (164) |
| 基于品牌效应的在线评论对稻米销量影响的实证研究 ····· | 王英 杨丹 王乐 张卓 谢鹤鹏 郝会成 | (178) |
| 特定农产品碳足迹评价及碳标签制定的探索 ····· | 张雄智 王岩 魏辉煌 王钰乔 赵鑫 张海林 | (188) |
| 中国森林碳汇的区域差异及动态演进分析····· | 薛龙飞 罗小锋 李容容 余威震 | (197) |

CONTENTS

- Research progress on horizontal gene transfer in plants
..... CHEN Zhiwen, WANG Yumei, NIE Hushuai, WANG Meiyun, HUA Jinping (1)
- Molecular regulatory mechanism of *Arabidopsis* translation initiation factor eIF5B-1 on
seeds germination KOU Xiaoxia, ZHANG Liyuan, ZHAO Yue, TIAN Xuejun,
GUO Weilong, XIN Mingming, PENG Huiru (12)
- Simulation of soil carbon storage and greenhouse gas emission under different rotation
systems in the North China Plain JIANG Yulin, CHEN Zhongdu,
TI Jinsong, SUI Peng, CHEN Fu (19)
- Effects of restructuring tith layer and irrigation on soil water content and cotton yield traits
..... WANG Shulin, QI Hong, WANG Yan, ZHANG Qian, FENG Guoyi,
LIN Yongzeng, LIANG Qinglong, LEI Xiaopeng (27)
- Soil phosphatase activity of loessial soil and brown earth with different fertility in
response to culture temperature and soil moisture
..... YU Xingchen, LIU Qian, WEN Zhihui, YANG Xueyun, HAN Xiaori, LI Haigang (37)
- Temporal and spatial variation of precipitation events in Southeast Coast of China
..... ZHANG Ping, YAN Junping, TANG Baoqi, LI Yingjie, WANG Wenjing (44)
- Effect of chitosan on the rhizosphere bacterial diversity of cucumber plug seedlings
..... DONG Chunjuan, LI Liang, ZHANG Zhigang, WANG Lingling, SHANG Qingmao (54)
- Over-expression vector construction and *Agrobacterium* transformation optimization of
leaf lettuce gene *LsHsp70-3701* SU Zhenqi, HAN Yingyan, LI Yabo, LIU Ran,
LIU Chaojie, HAO Jinghong, FAN Shuangxi (63)
- Optimal extraction technology and the dynamic content of polysaccharide in
Amygdalus triloba f. *multiplex* flowers LI Jiaojiao, CHEN Yuanmei (71)
- Culture and identification of the bovine rumen epithelial cell line
..... JIANG Maocheng, ZHAN Kang, YAN Kang, ZHAO Qianming, ZHAO Guoqi (80)
- Study on the antiseptic effect of chlorhexidine iodine solution on dairy cows' teats
..... ZHANG Chungang, LIU Guanglei, ZHANG Nan, SU Xiaoshuang,
ZHAO Guoqi, WU Congming, ZHAN Jinshun (87)
- Cloning and expression analysis of androgen receptor (AR) gene in Banna mini-pig inbred line
..... WANG Pei, LI Luogang, ZHANG Xia, WANG Shuyan, HUO Hailong,
ZENG Ribin, LIU Min, WANG Xuefei, HUO Jinlong (96)

- Immunoregulation effect of Mongolian medicine composition compounds on mastitis model mice
 *GAO Ruijuan, WANG Chunjie, Aorigele, JIA Zhi feng* (106)
- Study on the effects of slightly acidic electrolyzed water on the intestinal microflora of laying hens
 *WANG Yang, ZHANG Jia fa, LI Baoming* (113)
- Dynamic stiffness matrix model for the flexural vibration of compression bar in greenhouse
 wind vibration analysis *DENG Ting, JIANG Xutong, DING Min, TANG Li feng* (120)
- Design of fertilization control system based on EDEM simulation for deep application of
 organic fertilizer *SHI Lina, XU Liming, XING Jiejie, YUAN Quanchun,*
LIU Xudong, CHEN Junwei, WANG Rongyan (126)
- Study and experiment on subsoiling, stubble-breaking and pressing soil combined tillage machine in
 arid area *KANG Dixin, SUN Wei, ZHANG Tao, LI Di, WU Jianmin* (133)
- Study on spatial information system for soil and water conservation supervision in production and
 construction projects *YAN Jiajie, SHI Mingchang, GAO Zhiqiang* (143)
- Spatial differences and dynamic evolution of agricultural non-point source pollution in China
 *QIU Wenwen, ZHONG Zhangbao, YUAN Chunhui, LI Zhaoliang* (152)
- Can social capital relieve farmers' credit demand rationing? An empirical analysis based on
 farm household survey *WEI Hao, LI Yun, LV Kaiyu, WANG Jing* (164)
- Impact of online reviews on the sales of rice under the influence of brand effect: An empirical study
 *WANG Ying, YANG Dan, WANG Le, ZHANG Zhuo, XIE Hepeng, Hao Huicheng* (178)
- Assessment of carbon footprint for a specific agricultural product and discussion of
 carbon label designing *ZHANG Xiong zhi, WANG Yan, WEI Huihuang,*
WANG Yuqiao, ZHAO Xin, ZHANG Hailin (188)
- Regional differences and dynamic evolution of forest carbon sink in China
 *XUE Long fei, LUO Xiao feng, LI Rongrong, YU Weizhen* (197)