

目 次

不同基因型玉米单倍体雄穗自然加倍研究…………… 陈琳 李建生 杨小红(1)

玉米茎秆相关性状多效性 QTL 检测及相应 R 程序包编制
…………… 李俊辉 胡海晓 孟玉杰 程鲲 李国梁 刘文欣 陈绍江(9)

⁶⁰Co- γ 诱变大豆品质与农艺性状关联度分析
…………… 郭数进,杨凯敏,周永航,王燕平,李贵全(19)

涩柿资源果实 CO₂ 脱涩难易及其与表型、内含物相关性
…………… 孙鹏 李加茹 韩卫娟 刁松锋 张嘉嘉 傅建敏(28)

双价抗寒基因 CBF3/COR15A 转化大白菜的初步研究
…………… 孟平红 李桂莲 李苍山 蔡霞 郭惊涛 邓英 张兴国(41)

田间接种固氮类芽孢杆菌对小麦的增产效应
…………… 石皓文 李永斌 李朋飞 王志敏 陈三凤(52)

苜蓿根腐病的病原分离、鉴定与杀菌剂毒力测定
…………… 阮柳 马占鸿 刘振宇 秦丰 王海光(56)

两株高效烃降解菌的筛选、鉴定及降解特性…………… 蔡曼 杨蕾蕾 周宇光(68)

激活 HH 信号通路抑制猪 ADSCs 向脂肪细胞的分化
…………… 范彩云 张运海 王菊花 王尚 朱飞 赵男 程建波(75)

硫酸粘杆菌素对獭兔肠道菌群及免疫功能的影响
…………… 杨明月 邹芙沁 文斌 孙豪 周毅 倪学勤 曾东 汪平(82)

自然条件下葡萄叶片图像颜色一致性恢复效果的对比研究
…………… 赵玉琴 冯全 李妙祺 杨梅(92)

草地破土切根刀具的刃口曲线设计与优化
…………… 梁方 王德成 尤泳 王光辉 张晓明 贺长彬 李帅(100)

华北地区不同灌溉条件下 CERES-Wheat 模型模拟效果的系统分析	周丽丽 刘克 赵雪 赵茜 廖树华 周顺利	(108)
基于资源密度的作物秸秆资源化利用潜力测算与市场评估	崔蜜蜜 蒋琳莉 颜廷武	(117)
黄土丘陵沟壑区村镇区域协调发展研究——以甘肃省榆中县为例	刘佳 孙丕苓 许月卿 樊祥	(132)
基于地块综合资源优势度的土地供应时序及规模研究 ——以重庆两江新区工业开发区为例.....	杨伟 廖和平 李晓华 李涛 李靖	(141)
数量化赣南低山丘陵区农村居民点空间布局研究	张佳佳 赵小敏 郭熙 谢文 陈拾娇	(152)
国际能源价格对我国玉米价格波动的影响研究	吴海霞 葛岩 霍学喜 李鹏	(164)
东北严寒地区村镇环境满意度及影响因素分析	高凤杰 刘洋 韩文文 单培明 张志民 张颖 郭欣欣	(173)

CONTENTS

- Studies on the male spontaneous chromosomal doubling of maize haploids with different genotypes
 CHEN Lin, LI Jian-sheng, YANG Xiao-hong (1)
- Pleiotropic QTL detection for stalk traits in maize and related R package programming
 LI Jun-hui, HU Hai-xiao, MENG Yu-jie, Cheng Kun, LI Guo-liang,
 LIU Wen-xin, CHEN Shao-jiang (9)
- Correlation analysis between quality and agronomic traits of mutation soybean irradiated by $^{60}\text{Co-}\gamma$
 GUO Shu-jin, YANG Kai-min, ZHOU Yong-hang, WANG Yan-ping, LI Gui-quan (19)
- CO₂ de-astringency status among astringent persimmon resources and its correlation with fruit
 morphological characteristics and contents of active ingredients
 SUN Peng, LI Jia-ru, HAN Wei-juan, DIAO Song-feng, ZHANG Jia-jia, FU Jian-min (28)
- Preliminary research of the transformation of bivalent cold-resistance genes *CBF3/COR15A*
 into Chinese cabbage MENG Ping-hong, LI Gui-lian, LI Cang-shan, CAI Xia,
 GUO Jing-tao, DENG Ying, ZHANG Xing-guo (41)
- Effect of nitrogen-fixing *Paenibacillus* spp. on wheat yield
 SHI Hao-wen, LI Yong-bin, LI Peng-fei, WANG Zhi-min, CHEN San-feng (52)
- Isolation, identification and toxicity determination of pathogens causing alfalfa root rot
 RUAN Liu, MA Zhan-hong, LIU Zhen-yu, QIN Feng, WANG Hai-guang (56)
- Isolation and degradation properties of two hydrocarbon-degrading *Pseudomonas* strains
 CAI Man, YANG Lei-lei, ZHOU Yu-guang (68)
- Activation of HH signaling pathway inhibits the adipogenic differentiation of porcine adipose-derived
 mesenchymal stem cells FAN Cai-yun, ZHANG Yun-hai, WANG Ju-hua, WANG Shang,
 ZHU Fei, ZHAO Nan, CHENG Jian-bo (75)
- Effects of colistin sulfate on intestinal flora and immunity in rex rabbit
 YANG Ming-yue, ZOU Fu-qin, WEN Bin, SUN Hao, ZHOU Yi,
 NI Xue-qin, ZENG Dong, WANG Ping (82)
- Color consistency recovery effect of grape leaf images taken under natural condition
 ZHAO Yu-qin, FENG Quan, LI Miao-qi, YANG Mei (92)

Design and optimization of the edge curve of root-cutting blade in grassland

..... *LIANG Fang, WANG De-cheng, YOU Yong, WANG Guang-hui, ZHANG Xiao-ming, HE Chang-bin, LI Shuai* (100)

Integrative analysis on the simulated results of CERES-Wheat model under different water regimes

in North China Plain *ZHOU Li-li, LIU Ke, ZHAO Xue, ZHAO Qian, LIAO Shu-hua, ZHOU Shun-li* (108)

Potential evaluation and market assessment on crop straw resource utilization based on resource density

..... *CUI Mi-mi, JIANG Lin-li, YAN Ting-wu* (117)

Research on the coordination development of village and towns in the Loess Hilly Gully Region:

A case study of Yuzhong County, Gansu Province

..... *LIU Jia, SUN Pi-ling, XU Yue-qing, FAN Xiang* (132)

Research on the schedule and scale of land supply based on the comprehensive land

resources dominance; A case study on industrial development zone of Liangjiang New Area

..... *YANG Wei, LIAO He-ping, LI Xiao-hua, LI Tao, LI Jing* (141)

Study on the spatial layout of hilly area rural settlements of Gannan based on quantification

..... *ZHANG Jia-jia, ZHAO Xiao-min, GUO Xi, XIE Wen, CHEN Shi-jiao* (152)

Impact of international energy prices on China's corn prices

..... *WU Hai-xia, GE Yan, HUO Xue-xi, LI Peng* (164)

Rural environment satisfaction and influence factors analysis in severely cold region of Northeast China

..... *GAO Feng-jie, LIU Yang, HAN Wen-wen, SHAN Pei-ming, ZHANG Zhi-min, ZHANG Ying, GUO Xin-xin* (173)