

目 次

棉花专栏研究论文

- 塔里木河流域植棉业时空演化及优化发展研究 张新焕 王昌燕(1)
- 棉花盐胁迫应答基因 *GhCPK5* 的克隆及序列分析
..... 甄军波 张曦 王玉美 翟志席 李召虎 华金平(8)
- 棉花中转基因成分多重 PCR 检测体系的建立
..... 陈贞 芦春斌 杨梦婕 马骏 白卫斌 吴希阳(15)
- 全生物降解膜田间降解特征及其对棉花产量影响
..... 何文清 赵彩霞 刘爽 严昌荣 常蕊芹 曹肆林(21)
- 膜下滴灌对新疆杂交棉群体光合性能、冠层结构和产量的影响
..... 韩秀锋 王冀川 高山 徐雅丽(28)
- 棉花质核互作雄性不育与育性恢复的研究及利用现状
..... 韩宗福 王景会 申贵芳 赵逢涛 王宗文 李汝忠(36)

研究论文

- 水氮互作对水稻籽粒充实及产量的影响
..... 李俊周 李磊 孙传范 赵全志 杜彦修 张静 彭廷(42)
- 小麦幼苗对镉和 1,2,4-三氯苯污染的响应 丁艳 葛才林 王泽港 杜庆才(48)
- 基于 SWAT 模型的北京密云水库沿湖区氮磷流失风险分区
..... 张平 刘云慧 肖禾 宇振荣(53)
- 湖北省棉花洪涝灾害风险分析
..... 高静 侯双双 姜会飞 霍治国 潘学标 毛飞 肖静 廖树华 卢志光(60)
- 细辛对番茄早疫病菌的抑制作用及其活性成分的分离 李少华(67)
- 培养基和培养条件对‘砀山酥梨’转基因试管苗生根的影响 ... 孟颖光 张朝红 王跃进(72)
- 桃果实迅速膨大期生长调节剂及摘心处理对果实品质影响
..... 王志霞 刘国杰 梁艳萍 艾沙江 杨清(76)
- 无纺布限根栽培对西瓜根域温度、植株生长和果实品质的影响
..... 王灿磊 孙亮 冷平 许小茜 崔萌萌 刘姝彤(81)

甘蓝脯氨酸脱氢酶基因克隆与 RNAi 表达载体构建

..... 张娜 黄楦宇 冯洁 刘莉莎 杨鹏 赵冰 郭仰东(87)

大蒜对日光温室黄瓜生长及土壤生物学特性的影响 吴会芹 董林林 王倩(95)

21 个百合栽培品种的核型分析 杨雪珍 张克中 贾月慧 范佳林 刘桑(100)

利用小鼠模型的豚鼠免疫刺激物效果评价

..... 章玉涛 王加启 赵圣国 胡小丽 卜登攀 周凌云(107)

肉鸡热应激下肝脏和下丘脑 HSP70 mRNA 的表达

..... 许生友 陈兴勇 姜润深 耿照玉(112)

圩猪和定远猪 PRLR 基因多态性与产仔数的关联分析

..... 张陈华 丁月云 王阳 殷宗俊(117)

西门塔尔杂交后备母牛粪磷排出量与日粮磷进食量的关系

..... 许建海 姜军 靳若青 曹琮 黄洁 李强 莫放(122)

包被尿素对活体外瘤胃发酵特性和微生物蛋白合成的影响

..... 辛杭书 张永根 孟庆翔 Dirk E A 刘庆平(127)

卡介菌多糖核酸体外抗病毒活性试验..... 乔飞鸿 吕英军 张晓裕 王晓斌 鲍恩东(133)

改进线性光谱混合分解模型湿地信息提取..... 吴见 彭道黎(140)

基于 T-S 模型的模糊神经网络在植物病害图像分割中的应用

..... 关海鸥 许少华 谭峰(145)

生物质传感器的有限元分析与测试..... 李海洲 于劲松(150)

小区播种机充种装置工作性能试验

..... 刘曙光 尚书旗 杨然兵 郑月男 王延耀 赵大军 赵建亮(156)

食品安全规制下农户农药使用行为的影响机制分析

——基于山东省蔬菜出口产地的实证调研..... 王志刚 李腾飞 彭佳(164)

农户参与蔬菜追溯体系行为、认知和利益变化分析

——基于对寿光市可追溯蔬菜种植户的实地调研..... 赵荣 乔娟(169)

油料作物研究的知识图谱分析 党占海 赵蓉英 陈瑞 党照 张珪(178)

CONTENTS

Cotton Column Articles

- Spatial-temporal evolution and optimum development of cotton industry in Tarim Basin
..... ZHANG Xin-huan, WANG Chang-yan (1)
- Isolation and sequence analysis of salt responsive gene *GhCPK5* from *Gossypium hirsutum* L.
..... ZHEN Jun-bo, ZHANG Xi, WANG Yu-mei, ZHAI Zhi-xi, LI Zhao-hu, HUA Jin-ping (8)
- Multiplex PCR for detection of genetically modified components in cotton seeds
..... CHEN Zhen, LU Chun-bin, YANG Meng-jie, MA Jun, BAI Wei-bin, WU Xi-yang (15)
- Study on the degradation of biodegradable plastic mulch film and its effect on the yield of cotton
..... HE Wen-qing, ZHAO Cai-xia, LIU Shuang, YAN Chang-rong,
CHANG Rui-qin, CAO Si-lin (21)
- Effect of under-mulch-drip irrigation on canopy photosynthesis, canopy structure and yield of hybrid
cotton in Xinjiang HAN Xiu-feng, WANG Ji-chuan, GAO Shan, XU Ya-li (28)
- Research and application of cytoplasmic-nuclear male sterility and fertility restoration in cotton
..... HAN Zong-fu, WANG Jing-hui, SHEN Gui-fang, ZHAO Feng-tao,
WANG Zong-wen, LI Ru-zhong (36)

Articles

- Effects of water-nitrogen interaction on rice grain plumpness and yield LI Jun-zhou,
LI Lei, SUN Chuan-fan, ZHAO Quan-zhi, DU Yan-xiu, ZHANG Jing, PENG Ting (42)
- Response of Cd and 1,2,4-Trichlorobenzene pollutants on growth of wheat seedlings
..... DING Yan, GE Cai-lin, WANG Ze-gang, DU Qing-cai (48)
- Identification of the risk area of nitrogen and phosphorus loss at lakeshore of Miyun Reservoir
by using SWAT Model ZHANG Ping, LIU Yun-hui, XIAO He, YU Zhen-rong (53)
- Flood risk analysis in cotton for Hubei Province GAO Jing, HOU Shuang-shuang,
JIANG Hui-fei, HUO Zhi-guo, PAN Xue-biao, MAO Fei, XIAO Jing,
LIAO Shu-hua, LU Zhi-guang (60)
- Antifungal activities and active compounds of the extracts from *Asarum himalaicum* against
Alternaria solani LI Shao-hua (67)
- Effects of different media and culture conditions on rooting of *in vitro* transgenic plants of
Pyrus bretschneideri Rehd. cv. Dangshansuli
..... MENG Hao-guang, ZHANG Chao-hong, WANG Yue-jin (72)
- Effects of plant growth regulators and topping on peach quality during fruit expansion period
..... WANG Zhi-xia, LIU Guo-jie, LIANG Yan-ping, AI Sha-jiang, YANG Qing (76)
- Root zone temperature, plant growth and fruit quality of watermelon affected by
nonwoven-fabric-root-restriction-cultivation
..... WANG Can-lei, SUN Liang, LENG Ping, XU Xiao-qian, CUI Meng-meng, LIU Shu-tong (81)

Cloning of <i>ProDH</i> gene in cabbage and construction of the RNAi vector	ZHANG Na , HUANG Yun-yu ,FENG Jie ,LIU Li-sha ,YANG Peng ,ZHAO Bing ,GUO Yang-dong (87)
Effects of garlic on cucumber growth and soil biology in solar greenhouse	WU Hui-qin ,DONG Lin-lin ,WANG Qian (95)
Karyotype analysis of 21 cultivars in <i>Lilium</i>	YANG Xue-zhen ,ZHANG Ke-zhong ,JIA Yue-hui ,FAN Jia-lin ,LIU Shen (100)
Evaluateion of the effect of urease immunostimulants by using a murine model	ZHANG Yu-tao ,WANG Jia-qi ,ZHAO Sheng-guo ,HU xiao-li , BU Deng-pan ,ZHOU ling-yun (107)
Expression of <i>HSP70</i> mRNA in liver and hypothalamus in chicken under heat stress	XU Sheng-you ,CHEN Xing-yong ,JIANG Run-shen ,GENG Zhao-yu (112)
Association between polymorphism of prolactin receptor (<i>PRLR</i>) gene and litter size in Wei pigs and Dingyuan pigs	ZHANG Chen-hua ,DING Yue-yun ,WANG Yang ,YIN Zong-jun (117)
Relationships between the fecal phosphorus excretion and the dietary phosphorus intake in simmental crossbreed heifers	XU Jian-hai , JIANG Jun ,JIN Ruo-qing ,CAO Qiong ,HUANG Jie ,LI Qiang ,MO Fang (122)
Effect of polyurethane coated urea supplement on ruminal fermentation traits and microbial protein synthesis	XIN Hang-shu ,ZHANG Yong-gen ,MENG Qing-xiang , Dirk E A ,LIU Qing-ping (127)
Study on anti-virus activity induced by BCG-PSN in chick embryo fibroblast cells <i>in vitro</i>	QIAO Fei-hong ,LU Ying-jun ,ZHANG Xiao-yu ,WANG Xiao-bin ,BAO En-dong (133)
Wetland information extraction based on improved linear spectral mixture model	WU Jian ,PENG Dao-li (140)
Fuzzy neural network based on T-S model and its application on image segmentation of plant diseases	GUAN Hai-ou ,XU Shao-hua ,TAN Feng (145)
Finite element analysis and test of biomass sensor	LI Hai-zhou ,YU Jin-song (150)
Test on performance of seed-filling device of plot seeder	LIU Shu-guang ,SHANG Shu-qi , YANG Ran-bing ,ZHENG Yue-nan ,WANG Yan-yao ,ZHAO Da-jun ,ZHAO Jian-liang (156)
Analysis on the impact mechanism of farmers' pesticide use under food safety regulation: Evidence from the export-oriented vegetable production areas of Shandong Province	WANG Zhi-gang ,LI Teng-fei ,PENG Jia (164)
Farmer's behavior, awareness and benefit changes in participation of vegetable traceability systems: Based on the field survey of the traceable vegetable growers in Shouguang City	ZHAO Rong ,QIAO Juan (169)
Knowledge mapping analysis on the research of oil crops	DANG Zhan-hai ,ZHAO Rong-ying ,CHEN Rui ,DANG Zhao ,ZHANG Gui (178)