

ACTA

ISSN 1000-7091



华北农学报

ACTA AGRICULTURAE BOREALI-SINICA

■中国精品科技期刊 ■中文核心期刊 ■中国科学引文数据库核心期刊 ■
■中国科技核心期刊 ■中国农业核心期刊 ■RCCSE中国权威学术期刊 ■



学报官网



微信公众号

2018 第33卷 第4期
Vol. 33 No. 4

华北农学报编辑部



目 次

玉米雄穗发育早期耐旱相关转录因子的发掘

..... 吴永波,郝转芳,王楠,宋洁,周跃恒,柳波娟,朱汉勇,邸宏,王振华,李新海(1)
陆地棉中赤霉素合成途径关键酶基因的时空表达变化 石建斌,王宁,周红,许庆华,乔文青,严根土(9)
棉花精氨酸酶基因 *GhARG1* cDNA 的克隆与表达分析 王慧飞,冯雪,张一名,冯立峰,张瑜,陈光,孙艳香(17)
河南省猪流行性腹泻病毒 S 和 *ORF3* 基因的克隆与序列分析 赵丽,韩昊莹,张鸿鑫,卢婷婷,王文静,陈红英(25)
杏树李痘病毒病的快速分子检测和抗 PPV 连锁标记的筛选

..... 张俊环,孙浩元,Boris Krška,杨丽,姜凤超,张美玲,王玉柱(31)
牦牛 *IGF-IR* 基因克隆及其序列分析 梁春年,王宏博,吴晓云,褚敏,郭宪,阎萍(39)
甘肃黑猪 *H-FABP* 基因多态性筛查及蛋白功能预测 张丽,刘丽霞,农伟伦,李慧洁,张国华,卢建雄(46)
蓝光受体基因 *Cmuc-1* 和 *Cmuc-2* 的原核表达和蛹虫草中表达蛋白的检测 钟雪晴,叶德晓,毛玉梅,付鸣佳,杨志海(53)
不同鸡品种 *BLEC1* 基因序列比较分析 张莘,常国斌,郑圣晗,王统苗,陈博雯,张扬,王志秀,陈国宏(61)
少孢节丛孢菌 XJ-A1 几丁质酶基因 *AO-190* 的克隆、表达及其酶活性的测定

..... 贡莎莎,孟庆玲,乔军,钟文强,黄运福,张国武,陈英,才学鹏(67)
拟南芥 *CPK6* 在钙离子信号转导过程中的生理功能研究 于亚慧,杨菊,张雨晨,张林(75)
野大豆盐碱胁迫相关 *GsTIFY6B* 基因克隆及表达特性分析 阎文飞,程凡升,姜新强,刘翠霞,朱丹(82)
葡萄 *CO4* 基因的克隆及其对光质响应的表达分析 范琪,马彦妮,陈佰鸿,左存武,毛娟(90)
猪圆环病毒 2 型 SYBRGreen Real-time qPCR 检测方法的建立 冯华,刘运超,陈玉梅,魏蔷,张改平(98)
烟草 ERF 基因 *NtRAP2-7* 的表达载体构建及表达模式分析 陈倩,卓维,罗静,杨尚渝,鲁黎明,李立芹(104)
高粱重组自交系耐盐性相关性状遗传分析 吕建澎,李金旺,段霞飞,李延玲,李欧静,裴忠有(112)
基于 SSR 标记的杂交大豆主要亲本遗传多样性分析 白志元,张瑞军,武国平,连世超,杨玉花,卫保国(120)
一种新型木聚糖酶基因在毕赤酵母中的表达 李琦,成莉凤,段盛文,冯湘沅,郑科,杨琦,刘志远,彭源德(126)
施钙与覆膜栽培对缺钙红壤花生干物质生产、熟相、产量构成及品质的影响

..... 王建国,张昊,李林,刘登望,万书波,王飞,卢山,郭峰(131)
初花后短日照诱导对小豆叶片生理参数的影响 董伟欣,尹宝重,张彦丽,张月辰(139)
赤霉素浸种对玉米低温出苗率的影响 许高平,刘秀峰,袁文娅,王璞,楼辰军,杨兆顺(147)
移栽期对水稻不同生育期生长发育规律和产量的影响 王传凯,牛建行(153)
休闲期深松及播期对旱地小麦干物质累积特性与产量的影响 高培芳,金永贵,孙敏,梁艳妃(160)
栽插方式和密度对鲜食型甘薯品种干物质积累分配、块根产量及品质的影响

..... 段文学,汪进丽,张海燕,解备涛,汪宝卿,张立明(167)
不同施氮量对玉米花生间作下茬小麦干物质积累及产量构成的影响

..... 孟维伟,张正,徐杰,南镇武,刘灵艳,高华鑫,郭峰,万书波(175)
多穗型品种华成 3366 减氮增密绿色增产稳产技术研究

..... 张向前,刘良柏,乔玉强,曹承富,陈欢,王平信,郭然,刘飞,杜世州,赵竹,李玮(181)
砂姜黑土农田年内轮耕对夏玉米氮素和干物质积累、转运的影响 全星星,孙武,李松坚,张洪生,刘树堂,姜雯(189)
基于高通量测序分析河北省中南部地区耕地土壤细菌多样性 张翔,宋水山,黄亚丽,贾振华,黄媛媛,宋聪(196)
增铵营养对棉花幼苗形态及干物质积累的影响

..... 马彤彤,陈莉,万华龙,李津,刘连涛,孙红春,张永江,白志英,李存东(204)
两株自生固氮菌的鉴定及其应用基础研究 王慧桥,陈为峰,诸葛玉平,胡国庆,于海燕,付乃鑫,董元杰(210)
膜下滴灌调亏辣椒产量构成要素及水分生产函数研究 王世杰,张恒嘉,巴玉春,王玉才,黄彩霞,薛道信,李福强(217)
不同耕作方式下黑土物理性状及其对玉米苗期生长的影响

..... 谷思玉,朱玉伟,郭兴军,蔡越桐,吴帅,张泽慧,张会慧(226)
水肥耦合对夏玉米根系形态及产量的影响 隋凯强,赵龙刚,刘树堂,皇甫呈惠,林少雯,陈晶培(232)



CONTENTS

The Identification of Drought Tolerance-related Transcription Factors in Early Developing Tassel of Maize	WU Yongbo et al(1)
The Temporal Spatial Expression of Gibberellin Key Metabolic Enzyme in Upland Cotton	SHI Jianbin et al(9)
Cloning and Expression Analysis of Arginase Gene <i>GhARG1</i> cDNA from <i>Gossypium hirsutum</i> L.	WANG Huifei et al(17)
Cloning and Sequence Analysis of <i>S</i> and <i>ORF3</i> Genes of <i>Porcine epidemic diarrhea virus</i> in Henan Province	ZHAO Li et al(25)
RT-PCR Detection of <i>Plum pox virus</i> and the Screening of DNA Markers Linked to PPV-resistance in Apricot	ZHANG Junhuan et al(31)
Cloning and Sequence Analysis of Yak <i>IGF-IR</i> Gene	LIANG Chunlian et al(39)
<i>H-FABP</i> Gene Polymorphism Screening and Protein Function Prediction in Gansu Black Pig	ZHANG Li et al(46)
Prokaryotic Expression of Blue Light Receptor Genes <i>Cmwc-1</i> and <i>Cmwc-2</i> and Detection of Expressed Proteins in <i>Cordyceps militaris</i>	ZHONG Xueqing et al(53)
Comparative Analysis of <i>BLEC1</i> Gene Sequences in Different Chicken Breeds	ZHANG Xin et al(61)
Cloning and Expression of Chitinase Gene <i>AO-190</i> of <i>Arthrobotrys oligospora</i> XJ-A1 and Analysis of the Chitinase Activity of Recombinant Protein	GONG Shasha et al(67)
Study on Physiological Function of <i>Arabidopsis CPK6</i> in Ca^{2+} Signal Transduction	YU Yahui et al(75)
Cloning and Expression Analysis of <i>GsTIFY6B</i> Associated with Saline and Alkali Stress in <i>Glycine soja</i>	YAN Wenfei et al(82)
Cloning and Expression Analysis of <i>CO4</i> Gene in the Different Light Qualities and Light Transfers of Grapevine	FAN Qi et al(90)
The Development of a SYBRGreen Real-time qPCR for the Detection of Porcine Circovirus Type 2	FENG Hua et al(98)
Construction of Expression Vector and Expression Analysis of Tobacco ERF Gene <i>NtRAP2-7</i>	CHEN Qian et al(104)
Genetic Analysis of Salt Tolerance Related Traits in Sorghum Recombinant Inbred Lines	LÜ Jianpeng et al(112)
Genetic Diversity Analysis of Main Parents for Hybrid Soybean Based on SSR Markers	BAI Zhiyuan et al(120)
Expression of a Novel Xylanase Gene in <i>Pichia pastoris</i>	LI Qi et al(126)
Effects of Calcium Fertilizer and Plastic Film Mulching Cultivation on Dry Matter Production, Maturity Performance, Yield Components and Quality of Peanut in Red Soil under Ca Deficiency	WANG Jianguo et al(131)
Effects of Short-day Photoperiod Inducement after Early Flowering on Physiological Parameters in Adzuki Bean Leaves	DONG Weixin et al(139)
Effects of Gibberellin Presoaking on Maize Germination under Chill	XU Gaoping et al(147)
Effect of Transplanting Period on Growth and Yield of Rice at Different Growth Stages	WANG Chuankai et al(153)
Effects of Subsoiling During Fallow Period and Sowing Date on Dry Matter Accumulation and Yield of Wheat in Dryland	GAO Peifang et al(160)
Effects of Planting Method and Density on the Dry Matter Accumulation, Distribution, Root Yield, and Quality of Fresh Edible Sweet Potatoes	DUAN Wenzhe et al(167)
Effects of Nitrogen Fertilization on Dry Matter Accumulation and Yield Components of Following Wheat Which Planted after Maize Peanut Intercropping	MENG Weiwei et al(175)
Research on Increasing and Maintaining Yield from Reducing N Application Rate and Enhancing Planting Density by Using Multiple Spike Cultivar of Huacheng 3366	ZHANG Xiangqian et al(181)
Effects of Different Annual Tillage Treatments on the Accumulation and Translocation of Nitrogen and Dry Matter of Summer Maize in Shajiang Black Soil	TONG Xingxing et al(189)
Analysis of Bacterial Diversity in Cultivated Soils in Middle and Southern Hebei Province Based on High-throughput Sequencing	ZHANG Xiang et al(196)
Effect of Enhanced Ammonium Nutrition on Morphological Characteristics and Dry Matter Accumulation of Cotton Seedlings	MA Tongtong et al(204)
Identification and Basic Application Research of Two Abiogenous Azotobacter	WANG Huiqiao et al(210)
The Study of Water Regulated Deficit on Yield Component and Water Production Function of Pepper with Mulched Drip Irrigation	WANG Shijie et al(217)
Effects of Different Tillage Ways on Seedling Growth of Maize and Soil Physical Properties in Mollisol Region	GU Siyu et al(226)
Effects of Coupling Water and Fertilizer on Root Morphology and Yield of Summer Maize	SUI Kaiqiang et al(232) 万方数据