



ISSN 1005-9369



9 771005 936212

万方数据

# 东北农业大学学报

月刊 1957年创刊

第52卷 第1期 总311期 2021年1月

## 目次

### 研究报告

大豆11S/7S球蛋白比值QTL定位及相关基因分析

……………武小霞, 崔一凡, 谢建国, 赵雅彬, 李佳鹏, 井红钰, 赵莹 (1)

大豆硬实性QTL定位及上位性互作分析

……………滕卫丽, 李悦, 郑立娜, 郭志文, 付雪, 王博, 董莹莹, 韩英鹏, 李文滨 (8)

磷钾营养元素对辽东椴木生长及品质的影响

……………于锡宏, 赵文博, 程瑶, 张鑫, 白国梁, 蒋欣梅, 刘晓英 (20)

减氮配施腐植酸对草甸黑土理化性质及玉米产量的影响……………姜佰文, 王宇龙, 张娟 (29)

糠醛渣和石膏对盐碱土改良效果及水稻生长的影响

……………戴建军, 房秋娜, 汪丹妮, 杨瑀, 刘鸿飞, 李航 (37)

ARID4B在牛磺酸调节成肌细胞C2C12蛋白质合成中的作用

……………高学军, 王璐璐, 祁昊, 王哲, 甄贞 (46)

奶牛胎盘还原性多肽不同蛋白酶酶解方法建立与优化

……………沈留红, 张钺, 尤留超, 朱颖琨, 石滢, 董可, 曹随忠 (54)

伏牛山区山羊遗传多样性和遗传资源评估……………韩浩园, 高慧军, 吴依依, 杨帅,

王先宁, 尹慧茹, 王惠绘, 李君, 王拥庆, 权凯 (64)

小麦秸秆纤维基膜制造工艺参数优化

……………陈海涛, 尚会敏, 何昀阳, 徐利, 宗浩, 刘爽, 张颖, 李龙海 (71)

呼兰河流域网格化降水产品评估研究

……………邢贞相, 袁泽, 段维义, 喻熠, 纪毅, 刘昊奇, 付强 (82)

### 研究进展

环境锰污染对生物健康的威胁……………滕小华, 刘宇昊, 李克非, 刘晓洁, 黄斌, 李丹, 唐友 (90)

[期刊基本参数]: CN23-1391/S \*1957\*m\*A4\*96\*zh\*P\* ¥ 20.00\*1 000\*11\*2021-01

**DONGBEI NONGYE DAXUE XUEBAO**  
**JOURNAL OF NORTHEAST AGRICULTURAL UNIVERSITY**

Monthly Vol. 52 No. 1 (Cumulated No. 311) January 2021

---

**CONTENTS**

**Research Report**

- Mapping of soybean 11S/7S globulin ratio QTLs and related gene analysis ..... WU Xiaoxia, et al. ( 1 )
- QTL mapping and epistatic interaction analysis of hard seededness in soybean seed ..... TENG Weili, et al. ( 8 )
- Effects of different phosphorus and potassium nutrient elements on  
growth and qualities of *Aralia elata* (Miq.) Seem. .... YU Xihong, et al. ( 20 )
- Effect of nitrogen reduction combined with humic acid application on  
physical and chemical properties of black soil and maize yield ..... JIANG Baiwen, et al. ( 29 )
- Effects of furfural residue and gypsum on saline alkaline soil  
improvement and rice growth ..... DAI Jianjun, et al. ( 37 )
- Role of ARID4B in stimulation of taurine on protein synthesis in  
C2C12 myoblast cells ..... GAO Xuejun, et al. ( 46 )
- Establishment and optimization by different enzymolysis methods of  
reducing polypeptide preparation from dairy cows placenta ..... SHEN Liuhong, et al. ( 54 )
- Evaluation on the genetic diversity and resource of goats in Funiu mountain area ..... HAN Haoyuan, et al. ( 64 )
- Optimization of process parameters for extrusion explosion wheat straw  
fiber based mulch ..... CHEN Haitao, et al. ( 71 )
- Evaluation of grid precipitation products in Hulanhe Basin ..... XING Zhenxiang, et al. ( 82 )

**Research Progress**

- Threat of environmental manganese pollution to biological health ..... TENG Xiaohua, et al. ( 90 )

[Serial parameters]: CN23-1391/S \*1957\*m\*A4\*96\*zh\*P\* ¥ 20.00\*1 000\*11\*2021-01