

ISSN 1000-2650
CN 51-1281/S

四川农业大学学报

JOURNAL OF SICHUAN AGRICULTURAL UNIVERSITY

《中文核心期刊要目总览》核心期刊 ■

《中国科学期刊引文数据库(CSCD)》来源期刊 ■

全国优秀高校自然科学学报 ■

学报主页



6/2021
Vol.39 No.6

目 次

--作物·园艺--

- 四川小麦加工品质调查
..... 祁鹏飞, 李庆成, 陈 庆, 郭祯儒, 周才懿, 陈 晨, 王 琰, 孔 丽, 魏育明, 郑有良 (705)
巨尾桉精油对黑麦草、小麦种子的化感作用研究
..... 孔庆博, 杨 帅, 王小菊, 李佳佳, 罗思源, 丁春邦, 周莉君 (713)
基于 GWAS 的西瓜种子性状候选 QTL 鉴定
..... 高美玲, 胡创然, 袁成志, 郭 宇, 刘秀杰, 刘继秀, 高 越 (721)
利用 CRISPR/Cas9 技术创制早熟甘蓝型油菜材料
..... 乔 幸, 安 然, 陈娜娜, 韦世豪, 朱彦涛, 陈 静, 张彦锋, 穆建新 (729)
枣和酸枣果实可溶性糖积累规律差异研究
..... 邓 倩, 王 羊, 邓群仙, 张慧芬, 夏 惠, 林立金, 吕小平, 廖文飞 (734)

--植保·动科--

- 四川大凉山东部蚂蚁物种多样性研究 韩 秀, 徐正会, 张新民, 李 彪, 翟 奖, 李 婷 (742)
四川玉米不同栽培模式田间节肢动物群落
..... 张雪艳, 张 悅, 陈昊楠, 宋灿灿, 邓晓悦, 吴 飞, 董 毅, 李 庆, 蒋春先 (755)
喜树不同部位提取物对红火蚁的毒力和行为影响
..... 叶 涛, 杨静美, 钱应俊, 席亚东, 刘光华 (766)
永生化麝鼠香腺成纤维细胞的转录组学分析
..... 竭 航, 赵春容, 谌颖莲, 赵贵军, 张承露, 封孝兰, 曾德军 (772)
黑藏羊不同部位肌纤维组织学特征的差异分析 周 力, 吴占月, 张峰硕, 桂林生, 侯生珍 (778)
不同精粗比饲粮对青海黑藏羊生长发育、血清生化及其相关激素含量的影响
..... 周 力, 韩丽娟, 张秀花, 桂林生, 侯生珍 (784)
复方紫草温敏凝胶的制备与质量评价 徐 科, 吴赟杰, 李金洋, 赵君晰, 张泽瀚, 梁晓霞 (791)

--资源环境--

- 氮肥减施下翻压冬季绿肥对川东玉米地土壤养分的影响
..... 曾 妮, 蔡 艳, 李寒松, 李 冰, 李珺昭, 伍 伟, 张洪滔, 何 川, 李 钟, 郑祖平 (799)
滴灌施肥条件下土壤硝态氮空间分布规律室内模拟研究
..... 孙富斌, 尹 娟, 魏小东, 马正虎, 苏振娟 (807)
垦殖对川西北高寒草地土壤酶活性的影响
..... 吴同辉, 胡玉福, 杨泽鹏, 舒向阳, 李 杰, 杨雨山, 李 智, 余 颖, 何 佳 (814)
高寒区蔓竹群落特征及其水文效应 向晓华, 马建刚 (820)
冬氨酸二丁二酸醚和酒石酸配施对籽粒苋生长和镉富集特征的影响
..... 何明倩, 卢 欣, 唐 妍, 陈芝吟, 夏涓文, 徐小逊, 李启蓝 (827)

--农业经济--

- 农业经理人素养会对农民专业合作社绩效产生影响吗——基于四川省 205 个样本的 SEM 分析
..... 程 亚, 王 珂, 葛云舟, 王贯颖, 张社梅, 罗华伟 (835)
长三角耕地利用效率及影响因素分析 桂 政, 於 冉, 秦 岩, 李兰兰, 宋中俊 (843)

CONTENTS

► Crop Science·Horticulture

- Processing Quality of Wheat Samples Harvested from Sichuan Province ... QI Pengfei, LI Qingcheng, CHEN Qing, GUO Zhenru, ZHOU Caiyi, CHEN Chen, WANG Yan, KONG Li, WEI Yuming, ZHENG Youliang(705)
 Allelopathic Effect of *Eucalyptus grandis* × *E. urophylla* Essential Oil on *Lolium perenne* and *Triticum aestivum* Seeds ... KONG Qingbo, YANG Shuai, WANG Xiaoju, LI Jiajia, LUO Siyuan, DING Chunbang, ZHOU Lijun(713)
 Identification of Candidate QTL for Watermelon Seed Traits Based on GWAS GAO Meiling, HU Chuangran, YUAN Chengzhi, GUO Yu, LIU Xuijie, LIU Jixiu, GAO Yue(721)
 Creation of Early Flowering Rapeseed Using CRISPR/Cas9 Technology QIAO Xing, AN Ran, CHEN Nana, WEI Shihao, ZHU Yantao, CHEN Jing, ZHANG Yanfeng, MU Jianxin(729)
 Differences in Soluble Sugar Accumulation Pattern in *Ziziphus jujuba* Mill. and *Ziziphus acidojujuba* Cheng et Liu Fruits DENG Qian, WANG Yang, DENG Qunxian, ZHANG Huifen, XIA Hui, LIN Lijin, LYU Xiaoping, LIAO Wenfei(734)

► Plant Protection·Animal Science

- Ant Species Diversity of Eastern Daliangshan, Sichuan Province HAN Xiu, XU Zhenghui, ZHANG Xinmin, LI Biao, ZHAI Jiang, LI Ting(742)
 Arthropods Community of Maize under Different Cultivation Patterns in Sichuan Province ZHANG Xueyan, ZHANG Yue, CHEN Haonan, SONG Cancan, DENG Xiaoyue, WU Fei, DONG Yi, LI Qing, JIANG Chunxian(755)
 Toxicity and Behavior Effects of the Extracts from Different Parts of *Camptotheca acuminata* on *Solenopsis invicta* Buren YE Tao, YANG Jingmei, QIAN Yingjun, XI Yadong, LIU Guanghua(766)
 Transcriptome Analysis of Immortalized Muskrat Scent Gland Fibroblasts JIE Hang, ZHAO Chunrong, CHEN Yinglian, ZHAO Guijun, ZHANG Chenglu, FENG Xiaolan, ZENG Dejun(772)
 Analysis of Histological Characteristics of Muscle Fibers in Different Parts of Black Tibetan Sheep ZHOU Li, WU Zhanyue, ZHANG Fengshuo, GUI Linsheng, HOU Shengzhen(778)
 Effects of Different Forage to Concentrate Ratio Diets on Growth and Development, Serum Biochemistry and Related Hormone Contents of Qinghai Black Tibetan Sheep ZHOU Li, HAN Lijuan, ZHANG Xiuhua, GUI Linsheng, HOU Shengzhen(784)
 Preparation and Quality Evaluation of Warm Sensitive Gel for the Compound ‘Zicao’ XU Ke, WU Yunjie, LI Jinyang, ZHAO Junxi, ZHANG Zehan, LIANG Xiaoxia(791)

► Resources and Environment

- Effect of Winter Green Manure on Soil Nutrients of Maize Field in Eastern Sichuan under Reduced Nitrogen Fertilizer Application ZENG Ni, CAI Yan, LI Hansong, LI Bing, LI Junzhao, WU Wei, ZHANG Hongtao, HE Chuan, LI Zhong, ZHENG Zuping(799)
 Study on Distribution of Nitrate Nitrogen in Soil under Drip Irrigation SUN Fubin, YIN Juan, WEI Xiaodong, MA Zhenghu, SU Zhenjuan(807)
 Effects of Reclamation on Soil Enzyme Activity in the Alpine–Cold Grassland of Northwest Sichuan WU Tonghui, HU Yufu, YANG Zepeng, SHU Xiangyang, LI Jie, YANG Yushan, LI Zhi, YU Ying, HE Jia(814)
 Study on Characteristics of *Bashania qiaojiaensis* Community and Its Hydrological Effect in Alpine Region XIANG Xiaohua, MA Jiangang(820)
 Effects of Combined Application of Aspartic Acid Diethoxysuccinate and Tartaric Acid on Growth and Cadmium Enrichment Characteristics of *Amaranthus hybridus* L. HE Mingqian, LU Xin, TANG Yan, CHEN Zhiyin, XIA Juanwen, XU Xiaoxun, LI Qilan(827)

► Agricultural Economy

- Will the Quality of Agricultural Managers Influence the Performance of Farmers' Professional Cooperatives: Based on SEM Analysis of 205 Samples in Sichuan Province CHENG Ya, WANG Ke, GE Yunzhou, WANG Guanying, ZHANG Shemei, LUO Huawei(835)
 Analysis of Cultivated Land Use Efficiency and Influencing Factors in the Yangtze River Delta GUI Zheng, YU Ran, QIN Yan, LI Lanlan, SONG Zhongjun(843)