

目 次

高粱杂交种茎叶产量与能源品质性状相关性分析
 许依 何思洋 周方圆 唐朝臣 谢光辉(1)

基于 SD-GGE 双标图进行饲草燕麦品种归类和区域划分
 张志芬 任长忠 杨海顺 郭来春 王春龙
 刘俊青 徐进莲 周宇 付晓峰(10)

不同种植密度对南疆机采棉叶片生理特性及产量的影响
 张娜 冯璐 李玲 李春梅 马云珍 王芳
 李志鹏 万素梅 李亚兵 徐文修(22)

非寄主植物萃取物对瓜列当种子萌发的影响 赵娜娜 王盼盼 冯佳楠(30)

某甜瓜产区土壤重金属污染评价及果实膳食风险分析
 沈琦 张雁鸣 王贤 张放 江楠红叶 陶永霞 王成(35)

一株西藏牦牛源多杀性巴氏杆菌基因分型及 *rpoE* 基因生物信息学分析
 周赛赛 李天娇 武琦 朱家平 罗宗 吕然 赵晓慧
 王一飞 罗润波 贡嘎 王保宁 索朗斯珠(47)

一株牦牛源产细菌素植物乳杆菌 SWUN5815 全基因组测序及序列分析
 陈德纯 周晏阳 周泷 杨发龙 汤承(61)

冬春季层叠式蛋鸡舍乳头式饮水系统细菌含量检测及其对生产性能的影响
 万意 李志远 马瑞钰 杜强 杨荣斌 詹凯(72)

非复制型弓形虫的构建及其对小鼠致病性分析 任超 王超越 刘贤勇 索勋(83)

乡村振兴战略框架下的区域农业生态系统研究进展
 张洁瑕 陈佑启 郝晋珉 吴文良(92)

基于需求-功能-维度的耕地健康评价指标体系构建与应用
 陈文广 孔祥斌 温良友 朱红梅 张蚌蚌(106)

气象因素对民勤地区参考作物腾发量变化的贡献分析·····	黄悦	李思恩	(118)
模拟降雨下重庆喀斯特槽谷区径流氮磷元素流失特征·····	覃自阳	何丙辉	甘凤玲(129)
陕西省黄河流域农业高质量发展的时空演化特征及影响机理 ·····	芮旻	杨华	杨坤(141)
基于深度学习的半监督图像标注系统设计与实现 ·····	胡明玉	夏雪	杨晨雪 曹景军 柴秀娟(153)
扩散器结构参数对农用轴流风机性能的影响 ·····	李松	施正香	王康乐 孔维双 丁涛(163)
肉兔养殖用弹簧螺旋喂料机输送性能试验研究 ·····	陈媛媛	王红英	管清学 金楠 段恩泽(175)
基于红外热成像的育成期蛋鸡体温检测方法·····	李沛	陆辉山	赵守耀 王福杰(186)
收储制度改革提高粮食加工企业经营效益了吗? ——基于全国 17 省 176 家粮食加工企业的调查数据 ·····	张晶	王录安	陶莎(194)
中国主粮生产机械化水平的时空演变及其驱动机制·····	姚成胜	何永波	曹紫怡(208)
基于二维信息扩散模型的收入保险费率厘定:方法与实证 ·····	吴海平	郭凤茹	李士森 李晓涛 任金政(221)
消费者特色农产品感知价值、满意度与行为意向 ——基于山东及河北城镇居民驴肉消费调查·····	刘议蔚	王玉斌	(232)
我国肉羊产业链间的价格传导·····	王如玉	肖海峰	(245)

CONTENTS

- Correlations between yield and energy-related quality traits of sorghum hybrids stems and leaves
 XU Yi, HE Siyang, ZHOU Fangyuan, TANG Chaochen, XIE Guanghui (1)
- Variety classification and region division of forage oat varieties based on SD-GGE Biplot
 ZHANG Zhifen, REN Changzhong, YANG Haishun, GUO Laichun,
 WANG Chunlong, LIU Junqing, XU Jinlian, ZHOU Yu, FU Xiaofeng (10)
- Effect of planting density on leaf physiological characteristic and yield of
 machine picked cotton in Southern Xinjiang
 ZHANG Na, FENG Lu, LI Ling, LI Chunmei, MA Yunzhen,
 WANG Fang, LI Zhipeng, WAN Sumei, LI Yabing, XU Wenxiu (22)
- Germination stimulation of *Phelipanche aegyptiaca* by extracts derived from non-host plants
 ZHAO Nana, WANG Panpan, FENG Jianan (30)
- Assessment of soil heavy metal pollution and analysis of fruit dietary risk
 in a melon production area SHEN Qi, ZHANG Yanming, WANG Xian,
 ZHANG Fang, JIANG Nanhongye, TAO Yongxia, WANG Cheng (35)
- Genotyping and *rpoE* gene bioinformatics analysis of a *Pasteurella multocida*
 strain in Tibetan yaks ZHOU Saisai, LI Tianjiao, WU Qi, ZHU Jiaping,
 LUO Zong, LV Ran, ZHAO Xiaohui, WANG Yifei,
 LUO Runbo, GONG Ga, WANG Baoning, Suolangsizhu (47)
- Whole-genome sequencing and sequence analysis of a *Lactobacillus plantarum*
 SWUN5815 producing bacteriocin from yak
 CHEN Dechun, ZHOU Yanyang, ZHOU Long, YANG Falong, TANG Cheng (61)
- Detection of bacterial content in the nipple watering system of layer house with cascading
 cages in winter and spring and its influence on the production performance
 WAN Yi, JI Zhiyuan, MA Ruiyu, DU Qiang, YANG Rongbin, ZHAN Kai (72)
- Construction of nonreplicating *Toxoplasma* and its pathogenicity in mice
 REN Chao, WANG Chaoyue, LIU Xianyong, SUO Xun (83)
- Research advances on regional agricultural ecosystem under the framework of rural
 revitalization strategy ZHANG Jiexia, CHEN Youqi, HAO Jinmin, WU Wenliang (92)
- Construction and application of cultivated land health evaluation index system
 based on demand-function-dimension CHEN Wenguang, KONG Xiangbin,
 WEN Liangyou, ZHU Hongmei, ZHANG Bangbang (106)
- Contribution analysis of meteorological factors on the variation of reference crop
 evapotranspiration in Minqin area HUANG Yue, LI Sien (118)

Runoff nitrogen and phosphorus loss characteristics of Chongqing Karst Trough Valley under simulated rainfall	<i>QIN Ziyang , HE Binghui , GAN Fengling</i> (129)
Spatio-temporal evolution characteristics and impact mechanism of high-quality agricultural development of the Yellow River Basin in Shaanxi Province	<i>RUI Yang , YANG Hua , YANG Kun</i> (141)
Design and implementation of semi-supervised image labeling system based on deep learning	<i>HU Mingyu , XIA Xue , YANG Chenxue , CAO Jingjun , CHAI Xiujuan</i> (153)
Influence of diffuser structure parameters on the performance of agricultural axial fan	<i>LI Song , SHI Zhengxiang , WANG Kangle , KONG Weishuang , DING Tao</i> (163)
Experimental study on the conveying performance of spring screw feeder for meat rabbit breeding	<i>CHEN Yuanyuan , WANG Hongying , GUAN Qingxue , JIN Nan , DUAN Enze</i> (175)
Body temperature detection method of laying hens in rearing period based on infrared thermography	<i>LI Pei , LU Huishan , ZHAO Shouyao , WANG Fujie</i> (186)
Have China's market-oriented grain procurement and storage system reform encouraged the economic benefit of grain processing enterprises: An analysis based on survey data of 176 companies in 17 provinces	<i>ZHANG Jing , WANG Lu'an , TAO Sha</i> (194)
Spatial-temporal evolution and driving mechanism of mechanization level of staple food grain production in China	<i>YAO Chengsheng , HE Yongbo , CAO Ziyi</i> (208)
Calculation of revenue insurance premium rate based on two-dimension information diffusion model: Method and demonstration	<i>WU Haiping , GUO Fengru , LI Shisen , LI Xiaotao ,REN Jinzheng</i> (221)
Perceived value, satisfaction and behavioral intention of consumer featured agricultural products: Based on donkey meat consumption of urban residents in Shandong and Hebei provinces	<i>LIU Yiwei , WANG Yubin</i> (232)
Price transmission among mutton sheep industry chains in China	<i>WANG Ruyu , XIAO Haifeng</i> (245)