

中文核心期刊

中国科学引文数据库来源期刊

中国科技核心期刊



中国农业科技导报

**Journal of
Agricultural Science
and Technology**

2022年 第24卷 第 7 期

中华人民共和国科学技术部主管 中国农村技术开发中心主办

中国农业科技导报

第24卷 第7期 2022年7月

目 次

农业创新论坛

- 数据密集型环境下农业科研信息化发展路径研究 赵瑞雪, 孙坦, 杨晓蓉, 王剑 (1)
中央级农业科研机构条件建设融资策略研究 方松, 夏耀西 (8)
全国高标准农田建设情况与发展策略 孙春蕾, 杨红, 韩栋, 郝聪明, 李虎 (15)

生物技术 生命科学

- 我国玉米生物学研究进展 王帅, 宋伟, 赵久然, 王荣焕 (23)
棉花基因发掘与分子育种研究进展 孙正文, 谷淇深, 张艳, 王省芬, 马峙英 (32)
代谢组学在动物育种中的应用现状与前景展望 李文通, 严善英, 吴添文 (39)
陆地棉花铃期抗旱指标筛选及评价 闫成川, 曾庆涛, 陈琴, 付锦程, 王婷伟, 陈全家, 曲延英 (46)
中国优质大蒜品种区域试验评价 李夏夏, 张思语, 程智慧 (58)
混合盐胁迫对白榆幼苗形态及生理指标的影响 郝艳玲, 闫伟 (69)
利于高地芽孢杆菌 YC-9 生长和芽孢形成的碳源筛选
..... 马聪聪, 罗泽华, 蔡斌, 刘好宝, 王云山, 马锐, 顾金刚 (77)

智慧农业 农机装备

- 基于三维重建的多角度葡萄叶病害识别方法研究 方逵, 李成, 何潇, 陈益能 (86)
基于堆积试验的玉米包衣种子离散元参数标定
..... 李飞翔, 王鹏, 王云飞, 葛越锋, 唐凯怿, 李得志 (97)
不同类型灌水器滴头对沼液抗堵塞性能的影响 郑杰, 陈红, 孟令剑, 李善军, 马露畅 (108)

动植物健康

- 三种镰刀菌引起的板栗内腐病病原菌鉴定
..... 张娜娜, 温晓蕾, 李双民, 冯丽娜, 霍佳欢, 兰淑慧, 栗佳宁, 郭思柔, 王建华, 齐慧霞 (117)
宫内生长受限湖羊新生羔羊的血浆代谢组学研究
..... 孙玲伟, 何孟纤, 戴建军, 吴彩凤, 张德福, 林月霞 (123)

生物制造 资源生态

生物-化学联用对钾长石的活化效果及其肥效

.....刘晓玉,盛锡兴,廖宗文,林黎珍,黎坤婷,蔡燕飞,陈火君(132)

不同参照作物腾发量计算模型在鄂西地区的适用性研究 ···徐文,李虎,朱士江,何卫平,杜裕(141)

不同耕作模式下穴苗数对北方粳稻品质的影响

.....张家智,王文玉,王兴宇,张常钰,石书文,何雨宣,周红媛,刘丽华,郑桂萍(150)

基于涡度相关法的水稻光能利用率研究文双雅,石楠,陈崇怡,胡海燕,高志强(159)

海河平原春季限水灌溉下冬小麦农田水分动态及产量形成特征

.....刘雪静,鲍晓远,候晓阳,甄文超(167)

化学调控对不同施氮量棉花冠层结构及产量的影响

.....彭增莹,申莹莹,段松江,吴一帆,李宗润,郭仁松,张巨松(177)

液态有机肥部分替代化肥对设施番茄根区细菌群落的影响

.....夏秀波,李涛,曹守军,姚建刚,王虹云,张丽莉(187)

海洋农业 淡水渔业

基于环境因子的东南太平洋智利竹筍鱼剩余产量模型建立白思琦,邹晓荣,丁鹏,林铭(197)

中间球海胆己糖激酶基因克隆及高温-酸化胁迫对其表达影响的初步研究

.....武博琼,崔东遥,焦仁和,宋坚,湛垚垚,常亚青(205)

登海种业(封二) 百美村宿(封三)

作者投稿指南(218)

CONTENTS

AGRICULTURAL INNOVATION FORUM

- Research on the Development Path of Agricultural Scientific Informatization Under Data-intensive Environments
.....*ZHAO Ruixue, SUN Tan, YANG Xiaorong, WANG Jian* (1)
- Study on Financing Strategy of Conditional Construction of Central Agricultural Scientific Research Institutions
.....*FANG Song, XIA Yaoxi* (8)
- Situation and Countermeasures of Well-facilitated Farmland in China
.....*SUN Chunlei, YANG Hong, HAN Dong, HAO Congming, LI Hu* (15)

BIOTECHNOLOGY & LIFE SCIENCE

- Progress of Maize Biology Research in China
.....*WANG Shuai, SONG Wei, ZHAO Jiuran, WANG Ronghuan* (23)
- Research Progress on Cotton Gene Discovery and Molecular Breeding
.....*SUN Zhengwen, GU Qishen, ZHANG Yan, WANG Xingfen, MA Zhiying* (32)
- Applications and Prospects of Metabonomics in Animal Breeding
.....*LI Wentong, YAN Shanying, WU Tianwen* (39)
- Screening and Evaluation of Drought Resistance Indicators at Flowering and Boll Stage of Upland Cotton
.....*YAN Chengchuan, ZENG Qingtao, CHEN Qin, FU Jincheng, WANG Tingwei, CHEN Quanjia, QU Yanying* (46)
- Regional Trial Evaluation of High Quality Garlic Cultivars of China
.....*LI Xiaxia, ZHANG Siyu, CHENG Zhihui* (58)
- Effects of Mixed Salt Stress on Morphological and Physiological Indexes of *Ulmus pumila* Seedlings
.....*HAO Yanling, YAN Wei* (69)
- Screening of Carbon Sources for Growth and Spore Formation of *Bacillus altitudinis* YC-9
.....*MA Congcong, LUO Zehua, CAI Bin, LIU Haobao, WANG Yunshan, MA Rui, GU Jingang* (77)

INTELLIGENT AGRICULTURE & AGRICULTURAL MACHINERY

- Research on Multi-angle Identification of Grape Leaf Disease Based on 3D Reconstruction
.....*FANG Kui, LI Cheng, HE Xiao, CHEN Yineng* (86)
- Calibration of Discrete Element Parameters of Corn Coated Seeds Based on Stacking Test
.....*LI Feixiang, WANG Peng, WANG Yunfei, GE Yuefeng, TANG Kaiyi, LI Dezh* (97)
- Effect of Different Emitter Types on Anti-clogging Performance of Biogas Slurry Concentrations
.....*ZHENG Jie, CHEN Hong, MENG Lingjian, LI Shanjun, MA Luchang* (108)

ANIMAL AND PLANT HEALTH

Identification of Pathogens of Three Kinds of *Fusarium* Causing Seed Rot of Chestnut

.....*ZHANG Nana, WEN Xiaolei, LI Shuangmin, FENG Lina, HUO Jiahuan, LAN Shuhui, LI Jianing, GUO Sirou, WANG Jianhua, QI Huixia* (117)

Metabolomics in Neonatal Lambs of Hu-sheep with Intrauterine Growth Retardation

.....*SUN Lingwei, HE Mengxian, DAI Jianjun, WU Caifeng, ZHANG Defu, LIN Yuexia* (123)

BIO-MANUFACTURING & RESOURCE AND ECOLOGY

Activating Effect and Fertilizer Efficiency of Bio-chemical Combination on Potassium Feldspar

.....*LIU Xiaoyu, SHENG Xixing, LIAO Zongwen, LIN Lizhen, LI Kunting, CAI Yanfei, CHEN Huojun* (132)

Applicability of Different Reference Crop Evapotranspiration Calculation Models to the Western Region of Hubei

Province*XU Wen, LI Hu, ZHU Shijiang, HE Weiping, DU Yu* (141)

Effect of Hole Seedling Number on Quality of Northern *Japonica* Rice Under Different Cultivation Modes

.....*ZHANG Jiazhi, WANG Wenyu, WANG Xingyu, ZHANG Changyu, SHI Shuwen, HE Yuxuan, ZHOU Hongyuan, LIU Lihua, ZHENG Guiping* (150)

Research on Light Use Efficiency of Rice Based on Eddy Covariance Method

.....*WEN Shuangya, SHI Nan, CHEN Chongyi, HU Haiyan, GAO Zhiqiang* (159)

Dynamics of Soil Water Content and Yield Formation Characteristics of Winter Wheat Under Water Limited Irrigation

in Spring in Haihe Plain*LIU Xuejing, BAO Xiaoyuan, HOU Xiaoyang, ZHEN Wenchao* (167)

Effect of Chemical Regulation on Canopy Structure and Yield of Cotton with Different Nitrogen Amounts

.....*PENG Zengying, SHEN Yingying, DUAN Songjiang, WU Yifan, LI Zongrun, GUO Rensong, ZHANG Jusong* (177)

Effect of Liquid Organic Fertilizer Partial Replacing Chemical Fertilizer on Bacterial Community in Greenhouse

Tomato Root Zone*XIA Xiubo, LI Tao, CAO Shoujun, YAO Jiangang, WANG Hongyun, ZHANG Lili* (187)

MARINE AGRICULTURE & FRESHWATER FISHERIES

Surplus Production Model for Chilean Jack Mackerel in the Southeast Pacific Ocean Based on the Environmental Factors

.....*BAI Siqi, ZOU Xiaorong, DING Peng, LIN Ming* (197)

Cloning of Hexokinase Gene from *Strongylocentrotus intermedius* and Its Expression Response to High Temperature-acidification Stress

.....*WU Boqiong, CUI Dongyao, JIAO Renhe, SONG Jian, ZHAN Yaoyao, CHANG Yaqing* (205)

中文核心期刊
中国科学引文数据库（CSCD）来源期刊
中国科技核心期刊（中国科技论文统计源期刊）
中国核心期刊（遴选）数据库收录期刊
RCCSE中国核心学术期刊（A）
中国农林核心期刊（A类）
中国学术期刊综合评价数据库来源期刊
中国期刊网、《中国学术期刊（光盘版）》全文收录期刊

**Journal of
Agricultural Science
and Technology**

微信公众号
nyk_jdb



ISSN 1008-0864

