

中文核心期刊
中国科学引文源期刊(CSCD)
中国科技核心期刊
中国农业核心期刊

ISSN 1000—2324
CN 37—1132/S

山东农业大学学报

(自然科学版)

JOURNAL OF SHANDONG AGRICULTURAL UNIVERSITY

Natural Science Edition

第52卷 第1期

Vol.52 No.1



2021.02

中国·泰安

TAIAN CHINA

山东农业大学学报

Journal of Shandong
Agricultural University

自然科学版

(双月刊)

1

2021.02

(第 52 卷)

顾问: 束怀瑞 (院士) 于振文 (院士)
印象初 (院士) 温孚江 (教授)

主任: 张宪省

副主任: 高东升 王振林 王中华

委员: (以姓氏笔画为序)

王云诚 尹洪宗 孔令让 乔旭光
刘训理 刘永杰 刘传孝 刘福胜
李西灿 李刚 李向东 (农学院)
李向东 (植物保护学院) 张民
张光灿 张庆华 张春庆 张彦
张晓辉 陈义伦 陈文成 陈学森
林洪孝 林海 罗欣 郑成超
孟庆伟 赵孝民 赵庚星 郝玉金
侯加林 姜林 诸葛玉平 谭景和

目次

| | |
|---|---------------------|
| 新西兰匍柄霉 (<i>Stemphylium eturmiunum</i>) HSP42 基因沉默突变株的构建及其生物学特性..... | 万能,王群,王石,等 (1) |
| 美人鱼发光杆菌杀鱼亚种 LAMP 快速检测方法的建立与应用..... | 姚学良,蔡琰,徐晓丽,等 (7) |
| 消毒剂胁迫鼠伤寒沙门氏菌 ATCC 14028s 的抗性及耐药性测定..... | 吴上,杨阳,孙嘉笛,等 (13) |
| 玉米纹枯病的防治药剂筛选试验研究..... | 李石初,唐照磊,杜青,等 (19) |
| 基于 SENet 和深度可分离卷积胶囊网络的茶树叶部病害图像识别..... | 牟文芊,董萌萍,孙文杰,等 (23) |
| 淄川区土壤硒含量的地理分布格局..... | 高明慧,牛忠磊,崔纪京,等 (29) |
| 贵州安顺青年群体发样典型重金属富集特征..... | 张晓娟,夏坚,颜松,等 (34) |
| 北京鲜食品种枣果解剖结构与开裂性关系的研究..... | 潘青华,戚元勇,张玉平 (41) |
| 考虑非均匀暴雨中心空间分布的洪水预报方法..... | 刘佳,邱庆泰,王维,等 (46) |
| 斜槛群不同透水率及不同高度对弯道水流的影响..... | 张峻博,张英超,张靖,等 (54) |
| 浅圆仓压入式和吸出式通风效果对比研究..... | 张修霖,杨开敏,王远成,等 (63) |
| 既有建筑场地光伏阵列布置可行性研究——以北方某高校 21 号公寓楼场地为例..... | 张玉平,张永超,王学勇 (70) |
| 分布式光伏的多模型自适应无功电压控制策略..... | 杨乐新,姚荣斌 (75) |
| 暖通空调系统对建筑内环境的影响..... | 王利霞,康冰 (81) |
| 单侧供热汽车烘干房气流组织数值模拟研究..... | 李会知,侯孟言,邢金超 (84) |
| 静压桩沉桩阻力现场试验与数值模拟分析..... | 王海刚,白晓宇,张明义,等 (91) |
| 开挖卸荷对淤泥质土既有静压桩影响现场试验研究..... | 杨苏春,张明义,管金萍,等 (98) |
| 高速铁路隧道衬砌厚度不足对隧道结构安全性的影响..... | 李乐乐,郝艳广,韩劲龙,等 (105) |
| 不同荷载工况下的 CRTSII 型轨道板混凝土开裂分析..... | 杨艳 (109) |
| BIM 技术在地铁工程中的数据库建立及其应用..... | 程马遥,曾洋 (115) |
| 基于传递函数的建筑物沉降监测线性回归分析..... | 贺利敏 (120) |
| 预制装配式 SRC 柱-钢梁组合边节点受力性能分析..... | 赵凯常,刘继明,吴成龙,等 (124) |
| 农用车辆减速器齿轴副热分析及实验研究..... | 谢建新,蔡东岭 (132) |
| 基于故障电压特性的含 DG 辐射型配电网保护方法..... | 徐峰,方榆冬,李跃辉,等 (137) |
| 基于多模态视频描述的中国手语识别..... | 袁甜甜,杨学 (143) |
| 基于 GIS 的生态旅游舒适度评价系统研究..... | 韦夷,胡慧敏 (149) |
| 民间传说在山东乡村旅游项目打造中的应用研究..... | 胡琳琳,王学勇 (153) |
| 严寒城市公园的冬季使用偏爱研究——以沈阳为例..... | 孙莞,单鹏宇 (158) |

期刊基本参数: CN37-1132/S*1955*b*A4*162*zh*P*¥ 30.00*800*28*2021-02

JOURNAL OF SHANDONG AGRICULTURAL UNIVERSITY

(Natural Science Edition)

CONTENTS

Vol.52 No.1 2021

| | |
|--|--|
| Construction and Biological Characteristics of <i>HSP42</i> Gene Silencing Mutant from <i>Stemphylium eturmiunum</i> | WAN Neng, WANG Qun, WANG Shi, <i>et al.</i> (1) |
| Establishment of the Rapid Detection Method by Loop-Mediated Isothermal Amplification for <i>Photobacterium damsela</i> subsp. <i>Piscicida</i> and Its Application | YAO Xue-liang, CAI Yan, XU Xiao-li, <i>et al.</i> (7) |
| The Resistance and Drug Resistance of <i>Salmonella</i> Typhimurium ATCC 14028s by Disinfectants Stress | WU Shang, YANG Yang, SUN Jia-di, <i>et al.</i> (13) |
| Experimental Study on the Selection of Different Drugs Protecting from <i>Rhizoctonia solani</i> | LI Shi-chu, TANG Zhao-lei, DU Qing, <i>et al.</i> (19) |
| Image Recognition for Tea Leaf Disease Based on Improved Capsule Network and SENet | MU Wen-qian, DONG Meng-ping, SUN Wen-jie, <i>et al.</i> (23) |
| The Soil Geographical Distribution Pattern of Selenium Contents in Zichuan | GAO Ming-hui, NIU Zhong-lei, CUI Ji-jing, <i>et al.</i> (29) |
| Accumulative Characteristics of Typical Heavy Metals in Human Hair of Youngsters in Anshun City of Guizhou Province | ZHANG Xiao-juan, XIA Jian, YAN Song, <i>et al.</i> (34) |
| Study on the Relation between Anatomical Structure and Cracking of Fresh Jujube Fruit in Beijing | PAN Qing-hua, QI Yuan-yong, ZHANG Yu-ping (41) |
| The Flood Forecasting Method Considering the Spatial Distribution in the Inhomogeneous Rainstorm Center | LIU Jia, QIU Qing-tai, WANG Wei, <i>et al.</i> (46) |
| The Influence of Different Water Permeabilities and Heights of Inclined Sill Group on Flow in Bend | ZHANG Jun-bo, ZHANG Ying-chao, ZHANG Jing, <i>et al.</i> (54) |
| Research on Comparison between Ventilative Effects of Press-in and Suction in Shallow Round Grain Store | ZHANG Xiu-lin, YANG Kai-min, WANG Yuan-cheng, <i>et al.</i> (63) |
| Study on the Feasibility for Photovoltaic Array Layout on Existing Building Site—Take the site of No. 21 apartment building of a university in the north as an example | ZHANG Yu-ping, ZHANG Yong-chao, WANG Xue-yong (70) |
| The Control Strategy for the Multi-model Adaptive Reactive Voltage of Distributed Photovoltaic | YANG Le-xin, YAO Rong-bin (75) |
| The Effect of HVAC System on Indoor Environment of a Building | WANG Li-xia, KANG Bing (81) |
| Study on Numerical Simulation for Airflow Distribution in Automotive Baking Room with a Single Side Heating | LI Hui-zhi, HOU Meng-yan, XING Jin-chao (84) |
| Field Test and Numerical Simulation Analysis on the Penetration Resistance of Jacked Pile | WANG Hai-gang, BAI Xiao-yu, ZHANG Ming-yi, <i>et al.</i> (91) |
| Experimental Study on the Influence of Excavation Unloading on Existing Static Pressure Piles in Silt Soil | YANG Su-chun, ZHANG Ming-yi, GUAN Jing-ping, <i>et al.</i> (98) |
| The Influence of Insufficient Lining Thickness on the Safety of a High-speed Railway Tunnel | LI Le-le, HAO Yan-guang, HAN Jin-long, <i>et al.</i> (105) |
| Analysis on Concrete Crack of Track Slab CRTSII under Different Load Conditions | YANG Yan (109) |
| The Application of BIM Technology in the Establishment of Database of Subway Project | CHENG Ma-yao, ZENG Yang (115) |
| Linear Regression Analysis of Building Settlement Monitoring Based on the Transfer Function | HE Li-min (120) |
| The Analysis on Stress Properties at Nodes of Prefabricated SRC column - steel beam assembly Combination | ZHAO Kai-chang, LIU Ji-ming, WU Cheng-long, <i>et al.</i> (124) |
| Thermal Analysis and Experimental Research on Helical Gear Pair of Agricultural Vehicle Reducer | XIE Jian-xin, CAI Dong-ling (132) |
| The Protected Method of Power Distribution Network with DG Radiation Pattern Based on Fault Voltage Characteristic | XU Feng, FANG Yu-dong, LI Yue-hui, <i>et al.</i> (137) |
| Chinese Sign Language Recognition Based on Multimodal Video Captioning | YUAN Tian-tian, YANG Xue (143) |
| Study on the Ecotourism Comfort Evaluation System Based on GIS | WEI Yi, HU Hui-min (149) |
| Study on the Application of Folklore in the Construction of Rural Tourism Projects in Shandong Province | HU Lin-lin, WANG Xue-yong (153) |
| Study on the Motion Preference in Urban Parks of Cold Cities in Winter—A case in Shenyang Park | SUN Wan, SHAN Peng-yu (158) |