

中文核心期刊
中国农业核心期刊
中国农林核心期刊
美国化学文摘社 (CAS) 收录期刊

ISSN 1001-0009
CN 23-1247/S

北方园艺

NORTHERN HORTICULTURE



黑龙江省农业科学院 主办

2022/22

目 次

研究论文

- 柠条复配基质对散叶莴苣幼苗及成株生长发育的影响 张丽娟,朱倩楠,杜海东,等(1)
- 胡萝卜 *DcZDS* 基因的克隆和表达分析..... 安文杰,张亚楠,常双峰,等(9)
- 干旱胁迫对俄罗斯大果沙棘幼苗光合荧光参数的影响 刘歌畅,岳丽华,刘春海,等(16)
- 太行山中山段二十三个绵核桃优种果实品质分析及综合评价 王 勇,李鸿雁,曹 阳,等(24)

研究简报

- 十个朝天椒品种的萌发特性与抗旱性评价 张菊平,汪士杰,张会灵,等(31)
- 辣椒产量与品质对生物炭与氮肥配施的响应 柴冠群,刘桂华,王 丽,等(37)

设施园艺

- 两种不同墙体结构的日光温室光热环境测试及性能分析 何 芬,司长青,侯 永,等(44)

园林花卉

- $^{60}\text{Co}-\gamma$ 射线对三角梅枝条诱变效应的影响 周 群(51)
- 四十一份樱花品种资源表型性状遗传多样性分析 孙泽硕,李永华,柳新红,等(57)
- 野生湖北百合 *HSFA2* 耐热基因的克隆及表达分析..... 蒋 瑶,陈文波,陈其兵(67)

资源 · 环境 · 生态

- 柴胡根际土壤与植株矿质元素相关性及其富集特征 尹 鑫,许利平,薛乾鑫,等(74)

水深、光照对三种沉水植物生长特征及除氮效果的影响 何玉实,王筱平,何彤慧,等(81)

贮藏·加工·检测

吕梁红枣多糖的提取及其抗氧化性研究 呼凤兰,胡诗琪(91)

响应面法优化香菇液体菌种发酵培养基配方 胡 宝,徐子昕,周金看,等(97)

中 草 药

滇黄精转录组 SSR 位点信息分析 陈 浩,钱华丽,徐 哲,等(104)

水引发温度及时间对珠芽蓼种子萌发和幼苗生长的影响 梁 静,李秀璋,陈建博,等(109)

食 用 菌

隧道发酵技术在草菇工厂化栽培料制备的应用 查 磊,仝宗军,李正鹏,等(116)

卵孢小奥德蘑蛛网病菌 PCR 检测方法的建立与应用 李 俊,秦文韬,曹子健,等(124)

专题综述

内蒙古典型草原区露天矿土壤侵蚀机理及防控技术研究进展 宁 璐,崔向新,刘艳萍,等(132)

农业经济

设施蔬菜种植户节水灌溉技术采纳行为的影响因素分析 刘景政,穆月英(139)

基于 NDVI 的新疆植被覆盖变化特征分析 马 楠,白 涛,蔡朝朝,等(145)

实用技术

北方落叶果树防控倒春寒技术措施 李 斌,魏景利,解 兴,等(155)

新 品 种

南瓜砧木新品种‘思壮 10 号’的选育 古斌权,宋 慧,王迎儿(157)

NORTHERN HORTICULTURE

Started in 1977, Half Monthly
Sum NO. 517
The Second Half of November/NO. 22, 2022

Contents

Research Papers

- Effects of Horticultural Substrate Based on *Caragana korshinskii* on the Growth and Development of Lettuce Seedlings and Adult Plants
..... ZHANG Lijuan, ZHU Qiannan, DU Haidong, et al (1)
- Cloning and Expression Analysis of *DcZDS* Gene in Carrot AN Wenjie, ZHANG Yanan, CHANG Shuangfeng, et al (9)
- Effects of Drought Stress on Photosynthetic Fluorescence Parameters of *Hippophae rhamnoides* ssp. Russia Seedlings
..... LIU Gechang, YUE Lihua, LIU Chunhai, et al (16)
- Fruit Quality Analysis and Comprehensive Evaluation of 23 Superior Varieties of Walnut in Middle Section of Taihang Mountain
..... WANG Yong, LI Hongyan, CAO Yang, et al (24)

Research Notes

- Germination Characteristics and Drought-resistant Evaluation of Ten Pepper Cultivars
..... ZHANG Juping, WANG Shijie, ZHANG Huiling, et al (31)
- Response of Pepper Yield and Quality to Simultaneous Biochar and Nitrogen Fertilizer Application
..... CHAI Guanqun, LIU Guihua, WANG Li, et al (37)

Facilities Horticulture

- Test and Performance Analysis of Thermal and Light Environment in Solar Greenhouse With Two Different Wall Structures
..... HE Fen, SI Changqing, HOU Yong, et al (44)

Gardens and Flowers

- Mutagenic Effect on Branches of *Bougainvillea* spp. Induced by $^{60}\text{Co-}\gamma$ Ray ZHOU Qun (51)
- Genetic Diversity Analysis of Phenotypic Traits in 41 Cultivars of Oriental Cherry SUN Zeshuo, LI Yonghua, LIU Xinhong, et al (57)
- Cloning and Expression Characterization of Heat-resistant Gene *HSFA2* in Wild Lily JIANG Yao, CHEN Wenbo, CHEN Qibing (67)

Resource • Environment • Ecology

Correlation and Enrichment Characteristics of Mineral Elements Between Rhizosphere Soil and *Bupleurum chinense* DC. Plants YIN Xin,XU Liping,XUE Qianxin,et al(74)

Effects of Water Depth and Light on Growth Characteristics and Nitrogen Removal Efficiency of Three Submerged Plants HE Yushi,WANG Xiaoping,HE Tonghui,et al(81)

Storage • Processing • Detection

Extraction and Antioxidant Activity of Lyuliang Jujube Polysaccharides HU Fenglan,HU Shiqi(91)

Optimization of *Lentinus edodes* Liquid Fermentation Medium by Response Surface Methodology ... HU Bao,XU Zixin,ZHOU Jinkan,et al(97)

Chinese Herbal Medicine

SSR Loci Information Analysis in *Polygonatum kingianum* Transcriptome CHEN Hao,QIAN Huali,XU Zhe,et al(104)

Effects of Hydro-priming Temperature and Time on Seed Germination and Seedling Growth of *Polygonum viviparum* LIANG Jing,LI Xiuzhang,CHEN Jianbo,et al(109)

Edible Fungi

Application of Tunnel Fermentation Technology in the Preparation of *Volvariella volvacea* Industrialized Cultivation Materials ZHA Lei,TONG Zongjun,LI Zhengpeng,et al(116)

Establishment and Application of PCR Detection Methods for *Cladobotryum varium* LI Jun,QIN Wentao,CAO Zijian,et al(124)

Reviews

Research Progress on Soil Erosion Mechanism and Control Technology of Open-pit Mine in Typical Steppe Region of Inner Mongolia NING Lu,CUI Xiangxin,LIU Yanping,et al(132)

Agricultural Economy

Analysis on the Influencing Factors of Water-saving Irrigation Technology of Facility Vegetable Growers LIU Jingzheng,MU Yueying(139)

Characteristics of Vegetation Cover Change in Xinjiang Based on NDVI MA Nan,BAI Tao,CAI Zhaozhao,et al(145)

New Variety

Breeding of a New Pumpkin Rootstock Variety ‘Sizhuang 10’ GU Binqun,SONG Hui,WANG Ying'er(157)