

林业与生态科学

第 39 卷 第 4 期

总第 152 期

2024 年 10 月

目次

· 林学与植物保护 ·

- 抚育采伐对塞罕坝自然保护区樟子松人工林林分结构的影响 王晓蕊, 张馨月, 贾磊, 许中旗, 张菲, 付立华, 程顺 (357)
- 基于主成分分析的翅果油树种源比较及评价 徐建民, 何静, 殷姣姣, 张崇庆 (364)
- 元宝槭幼苗光合生理的水氮耦合效应研究 王雨晴, 裴顺祥, 李晓刚, 辛学兵, 吴迪, 王玥 (371)
- 苹果 RNA 甲基化转移酶 *MdMTA* 在长期干旱胁迫中的功能分析 李超硕, 范婧芳, 毛秀山, 侯楠 (380)
- 转录组与代谢组联合分析三蕊柳对柳蓝叶甲的抗虫机制 王书柔, 闫晓丽, 刘兴菊, 梁海永 (388)
- 肠道细菌对小线角木蠹蛾克服中国白蜡防御物质的影响 卜增河, 王璨, 张立民, 李会平, 曹庆杰 (398)
- 桑天牛幼虫肠道菌产纤维素酶条件优化 王新茹, 刘清, 刘琦, 吴一然, 王华玲 (405)

· 资源与生态环境 ·

- 排水时长和微区域对若尔盖泥炭地植被群落变化的影响 钟萍, 孙庆旋, 赵新朋, 刘宇师, 曹瑞, 李玉灵, 王征 (412)
- 河北省野生雾灵香花芥生境调查与分析 李荟芳, 董梦宇, 李彦慧 (422)

· 风景园林与旅游 ·

- 异源三倍体 (大果榆 × 四倍体白榆) 榆树鉴定及代谢组学分析 闫晓丽, 王书柔, 丁新宇, 刘兴菊, 梁海永 (432)
- 秋水仙素对豆梨的诱变效应及四倍体鉴定 李泽根, 任威蓁, 于淑漫, 冯雯静, 徐宁伟, 路丙社, 路斌 (440)
- 毛报春叶片组培快繁体系建立 刘艳, 刘柳, 张璐, 李金凤, 张晓曼 (448)
- 塞罕坝秋季景观色彩质量评价及其影响因子的研究 刘叶凡, 于士涛, 韩阳媚, 欧阳嗣航, 李玉灵 (458)

[期刊基本参数] CN13-1425/S * 1986 * q * 16 * 112 * zh * P * ¥20.00 * 300 * 13 * 2024-10

本期责编: 田杰 英文编辑: 杨青

CONTENTS

- Effects of thinning on the structure of *Pinus sylvestris* var. *mongolica* plantation in Saihanba Nature Reserve
 WANG Xiaorui, ZHANG Xinyue, JIA Lei, XU Zhongqi, ZHANG Fei, FU Lihua, CHENG Shun (357)
- Comparison and comprehensive evaluation of seed sources of *Elaeagnus mollis* Diels. based on principal component analysis
 XU Jianmin, HE Jing, YIN Jiaojiao, ZHANG Chongqing (364)
- Study on the coupling effect of water and nitrogen on photosynthetic physiology of *Acer truncatum* seedlings
 WANG Yuqing, PEI Shunxiang, LI Xiaogang, XIN Xuebing, WU Di, WANG Yue (371)
- Functional analysis of RNA methyltransferase *MdMTA* under long-term drought stress in apple
 LI Chaoshuo, FAN Jingfang, MAO Xiushan, HOU Nan (380)
- Combined analysis of transcriptome and metabolome on the insect resistance mechanism of *Salix triandra* against the *Plagioderma versicolora*
 WANG Shurou, YAN Xiaoli, LIU Xingju, LIANG Haiyong (388)
- The role of *Streptomyces insularis* larval gut bacteria in overcoming the defense substances of *Fraxinus chinensis*
 BU Zenghe, WANG Can, ZHANG Limin, LI Huiping, CAO Qingjie (398)
- Optimization of cellulase production conditions by *Apriona germari* larval gut bacteria
 WANG Xinru, LIU Qing, LIU Qi, WU Yiran, WANG Hualing (405)
- The impact of drainage duration and microhabitat on the plant variation in Zoige peatland
 ZHONG Ping, SUN Qingxuan, ZHAO Xinpeng, LIU Yushi, CAO Rui, LI Yuling, WANG Zheng (412)
- Investigation and analysis on the habitat of wild *Hesperis oreophila* in Hebei Province
 LI Huifang, DONG Mengyu, LI Yanhui (422)
- Identification and metabolomic analysis of allotriploid elm (*Ulmus macrocarpa* × tetraploid *Ulmus pumila*)
 YAN Xiaoli, WANG Shurou, DING Xinyu, LIU Xingju, LIANG Haiyong (432)
- Mutagenesis effect and tetraploid identification of colchicine on *Pyrus calleryana*
 LI Zegen, REN Weizhen, YU Shuman, FENG Wenjing, XU Ningwei, LU Bingshe, LU Bin (440)
- Establishment of rapid multiplication system for tissue culture of *Primula* × *pubescens* leaves
 LIU Yan, LIU Liu, ZHANG Lu, LI Jinfeng, ZHANG Xiaoman (448)
- Research on autumn landscape color quality evaluation and its impact factors in Saihanba
 LIU Yefan, YU Shitao, HAN Yangmei, OUYANG Sihang, LI Yuling (458)