

目 次

基于植物大数据的自然保护地识别和资源利用规划

.....	赵莉娜, 鲁丽敏, 单章建, 叶建飞, 刘冰, 赖阳均, 陈之端, 路安民	1
基于植物大数据遴选中国地理标志资源植物 …	赵莉娜, 单章建, 刘冰, 鲁丽敏, 陈之端, 路安民	11
新疆分布的重点保护野生植物地理成分及分布特征………	王永刚, 叶强, 王艺菡, 崔大方	20
栲树叶片中不同类型钙含量对海拔梯度和土壤因子变化的响应		
.....	柏雨萱, 刘丹萍, 邢郑瑜, 苏仪, 林仁忠, 廖晓丽, 靳少非, 郑德祥	28
新疆伊犁天山北坡草本植物群落不同功能群叶片 N、P 化学计量特征及其与环境因子的关系		
.....	白悦莹, 许仲林, 徐昕亿	37
南方红豆杉内生真菌多样性及内生真菌对紫杉醇和中间产物含量的影响		
.....	徐玲霞, 柳巧, 王景仪, 董蒙蒙, 蒋继宏, 曹小迎	50
赤霉素和干旱胁迫单一处理对珍稀濒危植物小溪洞杜鹃种子萌发的影响		
.....	李丹丹, 李晓花, 刘杰, 张乐华	57
基于 EST-SSR 标记的花楸树和少叶花楸杂交 F <sub>1</sub> 代群体的杂种鉴定及遗传关系分析		
.....	谷艳鹏, 张泽人, 孙涛, 韩庆军, 栗宁宁, 鲁仪增, 窦德泉, 郑健	65
基于 SNP 分子标记的 221 份荔枝品种(品系)的遗传多样性分析及核心种质库构建		
.....	黄小凤, 韦阳连, 袁叶, 余金昌, 袁志永, 王伟山	74
宁夏六盘山毛榛群落灌木层优势种的生态位和种间联结分析		
.....	施晨阳, 蒋天雨, 赖文峰, 徐秀琴, 文国卫, 朱晓如, 黄秋良, 张国防	85

· 研究简报 ·

闽鄂山茶及其芽变品种‘珍珠茶’花香气组成成分分析 .....	张莹, 李辛雷, 王彩霞	95
陕西省蕨类植物分布新记录 10 种		
.....	唐剑泉, 刘灿, 刘丹, 姬红利, 郑玉, 詹选怀, 王磊, 王海霞	98
征订启事(19,49,73)		

# JOURNAL OF PLANT RESOURCES AND ENVIRONMENT

2022 Vol. 31 No. 4

## CONTENTS

Natural protection area identification and resource utilization planning based on botanical big data	ZHAO Lina, LU Limin, SHAN Zhangjian, YE Jianfei, LIU Bing, LAI Yangjun, CHEN Zhiduan, LU Anmin	1
Selecting geographical indication resource plants in China based on botanical big data	ZHAO Lina, SHAN Zhangjian, LIU Bing, LU Limin, CHEN Zhiduan, LU Anmin	11
Geographical components and distribution characteristics of national key protected wild plants distributed in Xinjiang	WANG Yonggang, YE Qiang, WANG Yihan, CUI Dafang	20
Responses of contents of different forms of calcium in leaf of <i>Castanopsis fargesii</i> to variations of altitude gradients and soil factors	BAI Yuxuan, LIU Danping, XING Zhengyu, SU Yi, LIN Renzhong, LIAO Xiaoli, JIN Shaofei, ZHENG Dexiang	28
Leaf N and P stoichiometry characteristics and their relationships with environmental factors of different functional groups in herb community at northern slope of Tianshan Mountain in Ili of Xinjiang	BAI Yueying, XU Zhonglin, XU Xinyi	37
Diversity of endophytic fungi in <i>Taxus wallichiana</i> var. <i>mairei</i> and effects of endophytic fungi on contents of taxol and intermediates	XU Lingxia, LIU Qiao, WANG Jingyi, DONG Mengmeng, JIANG Jihong, CAO Xiaoying	50
Effects of single treatments of gibberellin and drought stress on seed germination of rare and endangered plant <i>Rhododendron xiaoxidongense</i>	LI Dandan, LI Xiaohua, LIU Jie, ZHANG Lehua	57
Hybrid identification and genetic relationship analysis of F <sub>1</sub> hybrid population of <i>Sorbus pohuashanensis</i> and <i>Sorbus hupehensis</i> var. <i>paucijuga</i> based on EST-SSR marker	GU Yanpeng, ZHANG Zeren, SUN Tao, HAN Qingjun, LI Ningning, LU Yizeng, DOU Dequan, ZHENG Jian	65
Genetic diversity analysis and core collection construction of 221 cultivars (strains) of <i>Litchi chinensis</i> based on SNP molecular markers	HUANG Xiaofeng, WEI Yanglian, YUAN Ye, YU Jinchang, YUAN Zhiyong, WANG Weishan	74
Analyses on niche and interspecific association of dominant species in shrub layer of <i>Corylus mandshurica</i> community in Liupan Mountain of Ningxia	SHI Chenyang, JIANG Tianyu, LAI Wenfeng, XU Xiuqin, WEN Guowei, ZHU Xiaoru, HUANG Qiuliang, ZHANG Guofang	85
<b>• Research Notes •</b>		
Analysis on flower aroma components of <i>Camellia griseissima</i> and its bud mutation cultivar ‘Zhenzhucha’	ZHANG Ying, LI Xinlei, WANG Caixia	95
Ten newly recorded species of ferns from Shaanxi Province	TANG Jianquan, LIU Can, LIU Dan, JI Hongli, ZHENG Yu, ZHAN Xuanhuai, WANG Lei, WANG Haixia	98