QK2237442

ISSN 1005-264X
www.plant-ecology.com

植物生态学报

Chinese Journal of Plant Ecology

第46卷 第7期 2022年7月 Vol. 46 No. 7 July 2022

主办单位：中国科学院植物研究所
中国植物学会

Sponsors: Institute of Botany, Chinese Academy of Sciences
Botanical Society of China

万方数据

植 物 生 态 学 报

Zhiwu Shengtai Xuebao

2022年7月　第46卷　第7期

目　　次

综述

735　湖泊沉积植物古DNA的现代过程

吴　铠　李　凯　贾伟瀚　廖梦娜　倪　健

研究论文

753　中国北方树木秋季物候的过程模拟及其区域分异归因

陈奕竹　郎伟光　陈效逑

766　孑遗灌木长柄扁桃的历史分布格局及其环境驱动力

闫　涵　马松梅　魏　博　张宏祥　张　丹

775　海南羊山湿地的传粉网络及其季节动态

曾凯娜　孙浩然　申益春　任明迅

785　牯岭凤仙花及其传粉昆虫在中国的潜在分布区域分析

苏启陶　杜志喧　周　兵　廖永辉　王呈呈　肖宜安

797　亚热带森林不同植物及器官来源的可溶性有机质输入对土壤激发效应的影响及其作用机理

甘子莹　王　浩　丁　驰　雷　梅　杨晓刚　蔡敬琰　丘清燕　胡亚林

811　氮添加促进丛枝菌根真菌和根系协作维持土壤磷有效性

谢　欢　张秋芳　陈廷廷　曾泉鑫　周嘉聪　吴　玥　林惠瑛　刘苑苑　尹云锋　陈岳民

823　屏边空竹分布区海拔上下边界的土壤真菌群落特征

夏体泽　李露双　杨汉奇

834　黔西南石漠化过程中土壤胞外酶活性及其化学计量变化特征

孙彩丽　仇模升　黄朝相　王艺伟

资料论文

846　青藏高原植物群落样方数据集

金伊丽　王皓言　魏临风　侯　颖　胡　景　吴　铠　夏昊钧　夏　洁　周伯睿　李　凯　倪　健

封面说明：青海省达日县高寒草甸雨后景观(洛桑土旦摄)。高寒草甸广泛分布于青藏高原东部，群落组成以嵩草属(*Kobresia*)植物为主，伴有多年生杂类草和垫状植物。金伊丽等研究了青藏高原不同区域以草本和灌木为主的植物群落的物种组成、区系特征和植被分类，并整合形成青藏高原植物群落样方数据集和照片集(本期846-854页)。

万方数据

Chinese Journal of Plant Ecology

July 2022 Vol. 46 No. 7

CONTENTS

Review

735 Modern processes of lacustrine plant sedimentary ancient DNA

WU Kai, LI Kai, JIA Wei-Han, LIAO Meng-Na, and NI Jian

Research Articles

753 Process-based simulation of autumn phenology of trees and the regional differentiation attribution in northern China

CHEN Yi-Zhu, LANG Wei-Guang, and CHEN Xiao-Qiu

766 Historical distribution patterns and environmental drivers of relict shrub *Amygdalus pedunculata*

YAN Han, MA Song-Mei, WEI Bo, ZHANG Hong-Xiang, and ZHANG Dan

775 Pollination network and seasonal dynamics of Yangshan Wetland in Hainan Island, China

ZENG Kai-Na, SUN Hao-Ran, SHEN Yi-Chun, and REN Ming-Xun

785 Potential distribution of *Impatiens davidii* and its pollinator in China

SU Qi-Tao, DU Zhi-Xuan, ZHOU Bing, LIAO Yong-Hui, WANG Cheng-Cheng, and XIAO Yi-An

797 Effects of dissolved organic matter derived from different plant and tissues in a subtropical forest on soil priming effect and the underlying mechanisms

GAN Zi-Ying, WANG Hao, DING Chi, LEI Mei, YANG Xiao-Gang, CAI Jing-Yan, QIU Qing-Yan, and HU Ya-Lin

811 Interaction of soil arbuscular mycorrhizal fungi and plant roots acts on maintaining soil phosphorus availability under nitrogen addition

XIE Huan, ZHANG Qiu-Fang, CHEN Ting-Ting, ZENG Quan-Xin, ZHOU Jia-Cong, WU Yue, LIN Hui-Ying, LIU Yuan-Yuan, YIN Yun-Feng, and CHEN Yue-Min

823 Soil fungal community characteristics at the upper and lower altitudinal range limits of *Cephalostachyum pingbianense*

XIA Ti-Ze, LI Lu-Shuang, and YANG Han-Qi

834 Characteristics of soil extracellular enzyme activities and their stoichiometry during rocky desertification in southwestern Guizhou, China

SUN Cai-Li, QIU Mo-Sheng, HUANG Chao-Xiang, and WANG Yi-Wei

Data Paper

846 A plot-based dataset of plant community on the Qingzang Plateau

JIN Yi-Li, WANG Hao-Yan, WEI Lin-Feng, HOU Ying, HU Jing, WU Kai, XIA Hao-Jun, XIA Jie, ZHOU Bo-Rui, LI Kai, and NI Jian

---

Cover illustration: The landscape of alpine meadow in Darlag County, Qinghai Province, China (Photographed by Luosang Tudan). The alpine meadow is widely distributed in eastern Qingzang Plateau. The plant community is dominated by *Kobresia* spp., accompanied by perennial forbs and cushion plants. Jin *et al.* investigated the species composition, floristic feature and vegetation classification of herbaceous and shrubby plant communities in various regions of the plateau surface, to integrate to build up a plot dataset and a photo dataset of plant communities in the Qingzang Plateau (Pages 846-854 of this issue).

万方数据

北京华益瑞科技有限公司
BEIJING TRUWEL INSTRUMENTS,INC.

DL3000WL物联网生态梯度(区域)监测系统

华益瑞科技
自主研发产品

由DL3000WG智能采集无线网关作为其核心部件，配以DL212、DL200、DL228为节点组成。通过智能采集无线网关上传数据至网络平台，做到数据实时更新，并方便用户对数据进行管理。

系统介绍

- 测量准确度高
- 安装简便无布线的烦恼
- 数据实时传输，准确性强
- 站点管理方便
- 数据多重备份，不担心数据丢失
- 根据科研需求，方便梯度监测调整高度，区域监测调整安装地点等

案例介绍

甘肃武威市凉州区林业局搭建的DL3000WL物联网风沙梯度监测系统，该系统以DL3000智能采集无线网关为核心，每层配以DL212为节点，分别测量7层梯度，每层监测风速、风向、集沙量、空气温度、空气湿度，另外还监测雨量、大气压力、沙尘通量等要素。

内蒙古磴口中国林科院沙漠林业研究中心DL3000WL物联网梯度监测系统，该系统以DL3000智能采集无线网关为核心，以DL200为节点，测量9层风速与空气温湿度，同时测量四分量辐射。

TRUWEL

北 京 本 部：北京市石景山区22号瀚海长城大厦10层　010 - 88202236
西安办事处：西安市新城区建工路19号，新园产业大厦一层　029 - 88426583

广告

万方数据