

# 山地学报

(SHANDI XUEBAO)

第42卷 第6期(卷终) 2024年12月

## 目次

### 山地环境

- 川西云杉人工林立地类型划分与质量评价——以岷江上游杂谷脑流域为例 ..... 李旭华,刘涛,蔡蕾,徐峥静茹,刘兴良,冯秋红 (751)
- 福建城村汉城遗址城壕沉积记录的河流地貌过程 ..... 王子桢,卫俊杰,邱俊杰,左昕昕,靳建辉 (765)
- 滑坡体成土作用早期影响生物有效磷(Bio-P)含量的主要因素 ..... 何晓丽,何俊波,吴艳宏 (781)

### 山地灾害

- 泥石流透过型拦砂坝群结构优化设计 ..... 刘兆旭,任锦程,赵艳青,苏鹏程,汪洋,龚旭 (791)
- 基于数值模拟的泥石流拦挡坝群布局优化 ..... 王浩,张金涛,代林,王全才,王继华 (805)
- 密度及粒径差异对冰岩碎屑流分选模式及冲击力的影响 ..... 杨钧凯,姜元俊,阿比尔的,朱元甲,刘宇桐 (816)
- 喀斯特地区棕榈根-土复合体抗剪特性 ..... 廖拉拉,唐丽霞,吴文丽,阮仕航,王子杰 (827)

### 山区发展

- 西藏极高海拔生态移民生计韧性测度及其群体差异:基于森布日案例 ..... 欧阳进一,张继飞 (838)
- 山区县域老年人口与养老服务设施协调度分析及优化调控策略——以南平邵武市为例 ..... 陈香,林李月,柯文前 (853)
- “经济-绿色-环境”协调发展水平测度及动态交互关系——基于四川省21个市州数据的实证分析 ..... 杨桂红,彭立,张慧娟,张馨月 (865)
- 城市化背景下中国PM<sub>2.5</sub>时空变化特征 ..... 王桂林 (880)

### 研究简报

- 西藏高原雪崩灾害的地形约束与地貌分类 ..... 丁海涛,陈宁生,吴铭洋,张馨月 (895)

### 山地通讯

- 蚕桑产业是推动贵州石漠化治理的新路径 ..... 崔俊芳,张信宝,邢丹,彭韬,郑静,唐家良,赵爱春 (903)

本刊基本参数: CN 51-1516 \* 1983 \* b \* A4 \* 154 \* zh \* P + CD \* 50.00 \* 13 \* 2024-12/n

本期责任编辑: 朱颖彦 钟雨倩 李嵘

封面设计辑字: 然子桐 左嘉益

封面图片: 喜马拉雅山区布孔拉山雪崩灾害(吴铭洋摄 2024-06-08)(图片详细说明见 804 页)

# MOUNTAIN RESEARCH

Vol. 42 No. 6(last issue) Dec., 2024

## CONTENTS

Classification of Site Type and Quality Evaluation for Artificial Forest of <i>Picea Asperata</i> in Western Sichuan: A Case Study of the Zagunao Basin in the Upper Reach of the Minjiang River, China .....	LI Xuhua, LIU Tao, CAI Lei, XU Zhengjingru, LIU Xingliang, FENG Qihong (764)
Fluvial Geomorphic Processes Recorded by Moat Sedimentation at the Chengcun Hancheng Site, Fujian, China .....	WANG Zian, WEI Junjie, QIU Junjie, ZUO Xinxin, JIN Jianhui (780)
Major Factors Regulating Bioavailable Phosphorus (Bio-P) Content at Early Stages of Pedogenesis in Landslide Deposits .....	HE Xiaoli, HE Junbo, WU Yanhong (789)
Optimization Design of Debris Flow Check Dam Cascade .....	LIU Zhaoxu, REN Jincheng, ZHAO Yanqing, SU Pengcheng, WANG Yang, GONG Xu (803)
Layout Optimization of Debris Flow Check Dam Cascade Based on Numerical Simulation .....	WANG Hao, ZHANG Jintao, DAI lin, WANG Quancai, WANG Jihua (815)
Grain Density and Gradation Jointly Regulate the Grain Segregation Patterns and Impact Force Effects in Rock-Ice Debris Flow .....	YANG Junkai, JIANG Yuanjun, ABI Erdi, ZHU Yuanjia, LIU Yutong (825)
Shear Resistance Properties of Root-Soil Composite of <i>Trachycarpus Fortunei</i> in Karst Area .....	LIAO Lala, TANG Lixia, WU Wenli, RUAN Shihang, WANG Zijie (836)
Livelihood Resilience Measurement and Group Differences of Ecological Migrants at Extremely High Altitude: A Case Study at Senburi Resettlement in Xizang, China .....	OUYANG Jinyi, ZHANG Jifei (851)
Coordination Degree between Aged Population and Pension Service Facilities in Mountainous Counties and Governance Optimization: A Case Study at Shaowu County, Nanping City, China .....	CHEN Xiang, LIN Liyue, KE Wenqian (864)
On the Measurement of Coordinated Development Level of Economy-Green-Environment and Their Dynamic Interaction Relationships: An Empirical Analysis of 21 Cities/Prefectures in Sichuan Province, China .....	YANG Guihong, PENG Li, ZHANG Huijuan, ZHANG Xinyue (878)
Spatiotemporal Evolution of PM <sub>2.5</sub> Pollution in the Urbanizing Cities of China .....	WANG Guilin (894)
Geomorphological Recognition of Avalanches by Terrain Constraints in Tibetan Plateau, China .....	DING Haitao, CHEN Ningsheng, WU Mingyang, ZHANG Xinyue (901)
The Sericulture Industry Promises to Be a New Promoting of Comprehensive Control of Rocky Desertification in Guizhou, China. ....	(903)