

中国岩溶

CARSOLOGICA SINICA

(双月刊, 1982年创刊)



第43卷 第3期

2024年6月出版

主 编: 蒋忠诚

责任编辑: 张 玲 黄晨晖
杨 杨

英文审改: 庄 艳 王 伟
陈静静

封面照片: 白水台钙华
(赵茜提供)

目 次

岩溶山区坡面—孔多层地下水监测试验及科学意义 郭 芳, 姜光辉, 刘 凡, 李志杰 (491)
济南泉域岩溶水系统溶解性有机质的光谱特性及指示作用 刘 丹, 田婵娟, 陈学群, 徐丹丹, 管清花, 辛光明 (500)
基于优化 DRASTIC 模型的地下水污染风险评价研究——以山东省辖南水北调区域为例 刘 红, 张 君, 于 桑, 张 立, 陈 昊, 鲁晓威, 乔 月 (513)
浙南仙居盆地水化学特征及成因分析 周施阳, 董好刚, 李立湘, 袁东方, 卢 丽, 姚飞廷, 向 翻, 陈 林, 王震威, 吴 鑫 (527)
云南白水台泉水地球化学特征及其气候环境指示意义 赵 茜, 徐洪阳, 甘海伶, 叶爱华, 周立旻, 郑祥民 (538)
贡嘎山玉龙西高寒钙华地貌对冰川活动的记录 柴沛然, 赵学钦, 王富东, 蒋耀曦, 张 强, 朱和艳 (552)
基于 CiteSpace 的岩溶地下水硝酸盐示踪研究进展 杨平恒, 华茂松, 罗为群, 郭文静 (563)
四川牟尼沟钙华剖面特征及其环境指示意义 何靓雯, 代群威, 徐荣林, 崔 杰, 安德军, 杜伟旗, 张 婷, 蒋瑞阳, 冉 玥 (575)
不同数据类型和降维对钙华高光谱识别精度的影响 徐梦辉, 王卫红, 田硕娟, 訾应昆, 吴周航, 王晓梦, 向红瑶, 范 静 (585)
基于 DEM 的喀斯特峰丛洼地地貌信息提取及形态特征分析 何信泳, 田义超, 张 强, 王栋华, 张亚丽, 周慧娟 (595)
基于机器学习的典型岩溶区岩性分类技术——以广西平果地区为例 杜 伟, 孟小前, 涂杰楠, 刘 嵩, 胡 伟, 张益明, 戴媛媛, 吴 漾 (606)
近 60 年大九湖土地利用变迁及对生态环境影响的启示 孟小军, 袁晶晶, 孙新月, 黄 维, 艾 东, 慎璐璐, 孟玉玲 (617)
不同土地覆被下岩溶洞穴滴水的水文特征 范宏岱, 胡运迪, 周忠发, 胡德勇, 张宇超, 黄正周, 王登超, 尚 运, 李 航 (627)
岩溶库区不同植被类型土壤碳、氮及其组分特征——以贵阳市花溪水库为例 周 玮, 姜 霞, 姚世菊, 张 艳 (640)
黔中磷矿区土壤重金属污染及其生态风险评价 江 峰, 李 强, 高 峰, 吉勤克补子, 刘汉武, 王若帆 (650)
基于生态系统脆弱性评价的典型岩溶区生态治理分区 胡兆鑫, 罗为群, 蒋忠诚, 吴泽燕, 汤庆佳 (661)
基于 Sentinel-2 影像的喀斯特地区土地利用信息提取 龙紫微, 汪 泓, 贾 煜, 吴永俊, 彭俊杰 (672)
四川盆地不同地区二叠系茅口组缝洞粗晶方解石碳氧同位素差异及其古岩溶环境意义 高兆龙, 淡 永, 张熙华, 曹 华, 邓 敏, 陈 聪, 胡罗嘉 (684)
湘渝黔地区奥陶系红色岩溶地貌与沉积作用关系 陈友智, 姜伏伟, 陈 颖, 杨贵来, 于 宁, 苏孝良 (694)
基于 ABAQUS 的桩端含多溶洞对桩基承载力的影响研究 郭 斌, 尹 欧, 陈 显, 刘清华 (704)
考虑时空效应的岩溶隧道围岩稳定性分析 王楷翔, 王晓涛, 宫 亮, 黄 丹 (717)

CARSOLOGICA SINICA

Vol. 43 No. 3 Jun. 2024

CONTENTS

- Experiment of monitoring multi-layer groundwater at a karst hill slope and its scientific significance
..... GUO Fang, JIANG Guanghui, LIU Fan, LI Zhijie(498)
- Spectral characteristics and indication of dissolved organic matter in the karst water system of Jinan
..... LIU Dan, TIAN Chanjuan, CHEN Xuequn, XU Dandan, GUAN Qinghua, XIN Guangming(511)
- Evaluation of groundwater pollution risk based on the optimized DRASTIC model: A case study of the areas along the route of South-to-North Water Diversion Project in Shandong Province
..... LIU Hong, ZHANG Jun, YU Sang, ZHANG Li, CHEN Hao, LU Xiaowei, QIAO Yue(526)
- Hydrochemical characteristics and genetic analysis of the Xianju basin in southern Zhejiang Province
..... ZHOU Shiyang, DONG Haogang, LI Lixiang, YUAN Dongfang, LU Li, YAO Feiyan, XIANG Fan, CHEN Lin, WANG Zhenwei, WU Xin(536)
- Geochemical characteristics of spring water in Baishuitai of Yunnan and their indicative significance on climatic environment
..... ZHAO Xi, XU Hongyang, GAN Hailing, YE Aihua, ZHOU Limin, ZHENG Xiangmin(550)
- Records of glacier activities by the alpine travertine landform in the Yulongxi area along Gongga mountain
..... CHAI Peiran, ZHAO Xueqin, WANG Fudong, JIANG Yaoxi, ZHANG Qiang, ZHU Heyan(562)
- Research progress of nitrate tracing in karst groundwater based on CiteSpace
..... YANG Pingheng, HUA Maosong, LUO Weiqun, GUO Wenjing(573)
- Characteristics of travertine profiles and their environmental indications in Munigou, Sichuan, China
..... HE Jingwen, DAI Qunwei, XU Ronglin, CUI Jie, AN Dejun, DU Weiqi, ZHANG Ting, JIANG Ruiyang, RAN Yue(583)
- Influence of different data types and dimension reduction on the recognition accuracy of travertine hyperspectral images
..... XU Menghui, WANG Weihong, TIAN Shuojuan, ZI Yingkun, WU Zhouhang, WANG Xiaomeng, XIANG Hongyao, FAN Jing(593)
- Geomorphic information extraction and morphological characteristics analysis of karst peak-cluster depressions based on DEM
..... HE Jiyong, TIAN Yichao, ZHANG Qiang, WANG Donghua, ZHANG Yali, ZHOU Huijuan(605)
- Technology of classifying lithology of typical karst areas based on machine learning: Taking the Pingguo area, Guangxi as an example
..... DU Wei, MENG Xiaoqian, TU Jienan, LIU Song, HU Wei, ZHANG Yiming, DAI Yuanyuan, WU Yang(615)
- Study on land use change of Dajiu lake and its impact on ecological environment in the last 60 years
..... MENG Xiaojun, YUAN Jingjing, SUN Xinyue, HUANG Wei, AI Dong, SHEN Lulu, MENG Yuling(626)
- Hydrological characteristics of dripping water in karst caves under different land covers
..... FAN Hongdai, HU Yundi, ZHOU Zhongfa, HU Deyong, ZHANG Yuchao, HUANG Zhengzhou, WANG Dengchao, SHANG Yun, LI Hang(638)
- Characteristics of soil carbon, nitrogen and their components under different vegetation types in the karst reservoir area: A case study of Huaxi reservoir in Guiyang
..... ZHOU Wei, JIANG Xia, YAO Shiju, ZHANG Yan(648)
- Heavy metal pollution of soil and its ecological risk evaluation in the phosphate mining area in central Guizhou
..... JIANG Feng, LI Qiang, GAO Feng, JIQIN Kepuzi, LIU Hanwu, WANG Ruofan(660)
- Zoning of ecological treatment in typical karst areas based on ecosystem vulnerability assessment
..... HU Zhaoxin, LUO Weiqun, JIANG Zhongcheng, WU Zeyan, TANG Qingjia(671)
- Extraction of land use information in karst areas based on Sentinel-2 images
..... LONG Ziwei, WANG Hong, JIA Yu, WU Yongjun, PENG Junjie(682)
- Differences of carbon and oxygen isotopes in coarse-grained calcite from the Permian Maokou Formation in different regions of Sichuan Basin and their significance in paleokarst environment
..... GAO Zhaolong, DAN Yong, ZHANG Xihua, CAO Hua, DENG Min, CHEN Cong, HU Luoqia(693)
- Relationship between sedimentation and red karst landform during the Ordovician in Hunan, Chongqing and Guizhou
..... CHEN Youzhi, JIANG Fuwei, CHEN Ying, YANG Guilai, YU Ning, SU Xiaoliang(702)
- Influence of multiple karst caves at the pile end on the bearing capacity of pile foundations based on ABAQUS
..... GUO Bin, YIN Ou, CHEN Xian, LIU Qinghua(715)
- Stability analysis of karst tunnel surrounding rock considering spatiotemporal effects
..... WANG Kaixiang, WANG Xiaotao, GONG Liang, HUANG Dan(726)

Editor-in-Chief : Prof. JIANG Zhongcheng

Duty Editor : Prof. ZHANG Ling HUANG Chenhui YANG Yang

English Translation Checked by Miss ZHUANG Yan Prof. WANG Wei Miss CHEN Jingjing