

中国岩溶

CARSOLOGICA SINICA

(双月刊, 1982年创刊)



第38卷 第4期
2019年8月出版

主 编: 蒋忠诚

责任编辑: 张 玲 黄晨晖

英文审改: 庄 艳 林立相

高祥林

封面照片: 赵揭宇

目 次

2019岩溶勘察与基础工程专辑

- 岩溶地区地下水位变动带隧道涌水问题的思考 郑克勋,裴熊伟,朱代强,等 (473)
广邻路华蓥山特长隧道岩溶地质问题与对策 唐科行,万川,谭钢,等 (480)
深埋特长隧道岩溶高压涌水灌浆封堵技术研究与实践 何桥,朱代强,郑克勋,等 (488)
重庆东温泉山既有隧道疏排对岩溶水的影响 贺苏和巴特尔,蒋良文,张贵铜 (496)
莲花台水电站岩溶发育特征及工程意义 吕耀成,李钰强,张富荣,等 (502)
西南地区某岩溶水库渗漏分析 薛伟,袁宗峰,周密 (508)
贵州冗赖水库岩溶成库条件分析 刘浩,田茂中 (515)
示踪试验在岩溶大泉修复中的应用——以丽江黑龙潭为例 韩啸,陈鑫,郑克勋,等 (524)
云南鹤庆西山岩溶地下水均衡模拟 刘荫彤,王锦国,周云,等 (532)
织金大龙井岩溶大泉形成机理研究 毛吉成,刘宏,左双英,等 (539)
贵阳花溪养牛村暗河枯水期岩溶水动态特征分析 代天豪,王中美,陈尧,等 (546)
花梨隧道岩溶水文地质条件及危险性评估 田祖涛,张俊 (552)
贵州省六盘水至威宁高速公路弃土场稳定性评估 沈明祥,罗红明,刘志鹏,等 (559)
贵州武陵山区中二叠统崩塌地质灾害形成机理研究 程鹏翔,李宗发 (565)
陆地声纳法在探测岩溶区高铁隧道基底隐患中的应用 王泽峰,钟世航 (573)
可溶岩地层的地球物理特征及其地质解译 汤克轩,赵楠 (578)
贵州岩溶地区输水渡槽的基础选型分析 谢红建,吴擎文,杨文 (584)
深覆盖岩溶地区高层建筑桩基优化实践 李想,尹骥,卫佳琦,等 (591)
岩溶地区某广场钻孔灌注桩基础补强加固设计与新技术 杜海龙,贺茉莉,罗小斌,等 (600)
中老铁路桥梁桩基岩溶处理施工技术研究 李强,秦余顺 (607)
微生物矿化作用对红黏土的影响研究 陈筠,施鹏超,白文胜,等 (612)
活性炭固定微生物固化贵阳红黏土力学特性 杨恒,陈筠,白文胜,等 (619)
贵阳既有地基红黏土蠕变特性试验研究 张瑶丹,沙运斌,陈筠,等 (627)
基于SEM图像的既有地基红黏土颗粒微观结构及分形特征研究 陈泰徐,陈筠,沙运斌,等 (635)

CARSOLOGICA SINICA

Vol. 38 No. 4 Aug. 2019

CONTENTS

Thoughts on tunnel water inrush in changing zones of groundwater level in karst areas	ZHENG Kexun, PEI Xiongwei, ZHU Daiqiang, et al(479)
Karst geological problems and countermeasures of the Huayingshan super-long tunnel on the Guang'an-Linshui highway	TANG Kehang, WAN Chuan, TAN Gang, et al(487)
Application of grouting sealing technology on karst high-pressure water inrush in a deep-buried extra-long tunnel	HE Qiao, ZHU Daiqiang, ZHENG Kexun, et al(495)
Influence of drainage on karst groundwater at an existing tunnel in the east-spring mountains, Chongqing	HE Suhebateer, JIANG Liangwen, ZHANG Guitong(501)
Karst features of the Lianhuatai hydropower station and engineering significance	L YU Yaocheng, LI Yuqiang, ZHANG Furong, et al(507)
Analysis on leakage of a karst reservoir in southwestern China	XUE Wei, YUAN Zongfeng, ZHOU Mi(514)
Karst geological conditions of the planned Ronglai reservoir in Guizhou Province	LIU Hao, TIAN Maozhong(523)
Application of the tracer test in karst hydrogeological prospecting: An example of Heilongtan, Lijiang, Yunnan	HAN Xiao, CHEN Xin, ZHENG KeXun, et al(531)
Simulation of karst groundwater balance in the Westshan mountains, Heqing county, Yunnan Province	LIU Ruitong, WANG Jinguo, ZHOU Yun, et al(538)
Formation mechanism of the karst spring in Dalongjing, Zhijin, Guizhou Province	MAO Jicheng, LIU Hong, ZUO Shuangying, et al(545)
Dynamic characteristics of karst water in underground rivers during dry seasons at the Yangniu village, Huaxi district, Guiyang	DAI Tianhao, WANG Zhongmei, CHEN Yao, et al(551)
Karst hydrogeology and risk assessment of the Huali tunnel	TIAN Zutao, ZHANG Jun(558)
Stability assessment of the spoil ground on the Liupanshui—Weining expressway in Guizhou Province	SHEN Mingriang, LUO Hongming, LIU Zhipeng, et al(564)
Mechanism of geological hazards in the middle Permian collapse in the Wulingshan mountains of Guizhou Province	CHEUNG Pengxiang, LI Zongfa(572)
Application of the landsonar to detecting hidden hazards of tunnel base on high-speed railway in karst areas	WANG Zefeng, ZHONG Shihang(577)
Geophysical characteristics and geological interpretation of karst strata	TANG Kexuan, ZHAO Nan(583)
Analysis of foundation selection of a water-transmission aqueduct across a karst area in Guizhou Province	XIE Hongjian, WU Qingwen, YANG Wen(590)
Optimization of pile foundation for high-rise buildings in deep-covered karst areas	LI Xiang, YIN Ji, WEI Jiaqi, et al(599)
A new technology of reinforcement by cast-in-place pile foundation in karst areas	DU Hailong, HE Moli, LUO Xiaobin, et al(606)
Technologies to deal with karst caves beneath pile foundation of the big bridge on the Laos-China railway	LI Qiang, Qin Yushun(611)
Effect of microbial mineralization on red clay	CHEN Jun, SHI Pengchao, BAI Wensheng, et al(618)
Mechanical properties of microorganism solidified red clay immobilized by activated carbon in Guiyang	YANG Heng, CHEN Jun, GAO Bin, et al(626)
Experimental study on creep behavior of red clay of existing foundation in Guiyang City	ZHANG Yaodan, SHA Yunbin, CHRN Jun, et al(634)
Microstructure and fractal characteristics of red clay particles in existing foundation based on SEM images	CHEN Taixu, CHEN Jun, SHA Yunbin, et al(642)

Editor-in-Chief : Prof.Jiang Zhongcheng

Duty Editor : Prof.Zhang Ling

English Translation Checked by MissZhuang Yan Prof.Lin Lixiang Prof. Gao Xianglin