

ISSN 1001-8360

CN 11-2104/U

CODEN TIXUF5

2022 - 03

铁道学报

JOURNAL OF THE CHINA RAILWAY SOCIETY

第44卷 第3期 Vol. 44 No. 3



中国铁道学会主办

隧道专刊



铁 道 学 报

TIEDAO XUEBAO

第 44 卷 第 3 期 2022 年 3 月

目 次

- 超长深埋高地应力 TBM 隧道修建关键技术 洪开荣(1)
- 挤压性围岩隧道判识及设计方法研究 李国良,李 宁,丁彦杰,刘志春(24)
- 高原铁路极高地应力环境隧道主动支护设计方法研究 ... 田四明,吴克非,刘大刚,王明年,王志龙,董宇苍(39)
- 铁路山岭隧道钻爆法关键技术发展及展望 马伟斌(64)
- 成兰铁路软岩隧道大变形控制技术及变形控制基准研究 郭小龙,谭忠盛,喻 渝(86)
- 高地温隧道衬砌混凝土早期开裂机理及防控措施 傅金阳,徐光阳,杨 曾,赵宁宁,刘守花(105)
- 基于残差平方和取舍常数项的地应力场反演分析 蒙 伟,何 川,严 健,吴枋胤,周子寒,寇 昊(115)
- 基于云模型的复杂艰险山区深埋隧道施工通风系统综合评估 罗 勋,谢文强,曾发镛(123)
- 考虑剪切变形下基坑开挖引起下卧既有隧道的纵向变形研究
..... 冯国辉,徐长节,郑茗旺,薛文静,杨开放,管凌霄(132)
- 深埋非圆形隧道开挖围岩的弹性和黏弹性位移解析 刘淑红,范金录,陈智慧,朱永全(142)
- 椭圆山岭隧道洞口段在 SH 波作用下三维动力响应 王振宇,阳军生,王星华(150)
- 先行、后行盾构不同位置施工对土体变形影响研究 丁 智,冯丛烈,董毓庆,徐 涛,张默爆(158)

JOURNAL OF THE CHINA RAILWAY SOCIETY

(Monthly)

Vol.44 No.3 March 2022

CONTENTS

- Key Technology for Construction of Ultra-long and Deep-buried TBM Tunnels with
High Geostress HONG Kairong(1)
- Study on Identification and Design Method of Squeezing Surrounding Rock Tunnel
..... LI Guoliang, LI Ning, DING Yanjie, LIU Zhichun(24)
- Study on Design Method for Active Support for Plateau Railway Tunnels in High Energy Geological Environment
..... TIAN Siming, WU Kefei, LIU Dagang, WANG Mingnian, WANG Zhilong, DONG Yucang(39)
- Development and Prospect of Key Technology of Drilling and Blasting for
Railway Mountain Tunnels MA Weibin(64)
- Study on Large Deformation Control Technology and Deformation Control Criteria for
Soft Rock Tunnels of Chengdu—Lanzhou Railway GUO Xiaolong, TAN Zhongsheng, YU Yu(86)
- Early Cracking Mechanism and Prevention Measures for Lining Concrete in High Geotemperature Tunnel
..... FU Jinyang, XU Guangyang, YANG Zeng, ZHAO Ningning, LIU Shouhua(105)
- Back Analysis of Geo-stress Field for Adopting or Removing a Constant Term Based on Residual Sum of
Squares MENG Wei, HE Chuan, YAN Jian, WU Fangyin, ZHOU Zihan, KOU Hao(115)
- Comprehensive Evaluation of Construction Ventilation System of Deep-buried Tunnel at
High Altitude Based on Cloud Model LUO Xun, XIE Wenqiang, ZENG Fabin(123)
- Study of Longitudinal Deformation of Existing Underlying Tunnel due to
Above Excavation Considering Shear Deformation of Tunnel
..... FENG Guohui, XU Changjie, ZHENG Mingwang, XUE Wenjing, YANG Kaifang, GUAN Lingxiao(132)
- Analytical Solution to Elastic and Viscoelastic Displacements for Rock Mass Caused by Excavation of Deep-buried
Non-circular Tunnel LIU Shuhong, FAN Jinlu, CHEN Zhihui, ZHU Yongquan(142)
- 3D Dynamic Response of Portal Section of Elliptical Mountain Tunnel under
Action of SH Waves WANG Zhenyu, YANG Junsheng, WANG Xinghua(150)
- Effect of Twin-tunnel Shield Tunnelling on Ground Movement: Various Relative Positions
Between Two Shield Machines DING Zhi, FENG Conglie, DONG Yuqing, XU Tao, ZHANG Mobao(158)