

CSCD 中文核心期刊 中国科技核心期刊 Scopus

ISSN 2096-4498 CN 44-1745/U

CODEN SJZUA6

隧道建设

(中英文)

9

2022年9月 第42卷 第9期

Vol.42 No.9 2022

TUNNEL CONSTRUCTION



扫码看
工程简介

主管 中铁隧道局集团有限公司
主办 中铁隧道勘察设计研究院有限公司



隧道建设 (中英文)

第四十二卷 第九期 二〇二二年九月

Vol.42 No.9 2022

1501-1662

隧道建设(中英文)

第 42 卷 第 9 期(总第 266 期) 2022 年 9 月 20 日

目 次

· 研究与探索 ·

- 土压平衡盾构楔形刀松动物卵石地层力学行为研究(争鸣文章)
..... 张晋勋,殷明伦,江玉生,江 华,周刘刚,孙正阳(1501)
- 江阴靖江长江隧道工作井侧墙抗裂防渗研究与应用
..... 王 峻,李 明,王育江,田 倩,李世龙,李 敏(1514)
- 盾构管片壁后新型同步双液浆开发及工程应用..... 槐荣国,黄思远,钟小春,陈旭泉,胡一康(1521)
- 基于主成分分析-云模型的黄土隧道施工稳定性评估 赵 岩(1529)
- 基于 N-K 模型的隧道施工事故多风险因素耦合分析
..... 潘红伟,郭德赛,宋战平,徐 甜,张玉伟,丁立波(1537)
- 大型三维地质力学模型试验系统研制及其应用研究
..... 王军祥,胡开恩,郭连军,寇海军,李 林,崔宁坤(1546)
- 适用于模拟复杂地质条件的微型 TBM 试验系统研制及应用
..... 赵海雷,曾垂刚,王利明,潘东江,杨振兴,赵自记,李宏波(1561)
- 新型相变水泥砂浆热力学性能研究 朱 颖,赵金兴,曲晶莹,钱晓华,曾长女,任 磊(1570)
- 高地应力软岩大变形隧道洞型及双层初期支护支护时机研究
..... 谢金池,寇 昊,何 川,聂金诚,杨文波,肖龙鸽(1578)

· 规划与设计 ·

- 巨跨洞室二次衬砌结构设计方法研究(争鸣文章) 宋超业,吕书清,贺维国(1589)
- 深江铁路珠江口隧道工程线路方案研究 褚 凯,贺维国,于 勇(1597)
- 襄阳汉江沉管隧道新型装配式钢端封门研究及应用
..... 曾波存,曹林祥,周兴涛,孙晓伟,王 聪,胡嘉懿(1605)
- 基于钻孔数据的盾构隧道纵向结构参数化计算 李霖皓,陈 珂,胡云华,龙 凡(1615)

· 施工机械 ·

- 隧道掘进机主驱动高压密封系统关键参数试验研究 刘 华(1622)
- 管道更新掘进机刀盘切削钢筋混凝土管道转矩试验研究 苏明浩,甘 雨,李 洋,贾连辉(1628)

· 监控与维护 ·

- 基于分时复用原理的多通道探地雷达时序控制模块设计及应用
..... 王百泉,刘昌斌,王 华,张安学,陈思宇,谢 韬(1637)
- UHPC 在隧道衬砌裂损整治中应用的可行性及性能要求研究..... 潘 岳,贺雄飞,邹 翀,杨朝帅(1647)

· 数据统计 ·

- 全球开通运营的地铁连续地下段长度排名(10 km 以上)(中英文) (1656)

· 消息 ·

- 900 万 m³ 隧道渣土如何处理利用——欧洲新强子对撞机项目的隧道渣土利用方案 (1513)
- 工业废热转化为城市供暖——德国汉堡地下储热供热隧道工程 (1614)
- 2022“ITA 隧道奖”入围名单公布 (1662)
- 广告目录 (1604)

Tunnel Construction

Vol. 42, No. 9 (Total No. 266) September 20, 2022

CONTENTS

Mechanical Behavior of Sandy Gravel Strata Cut by Wedge-Shaped Cutter on Earth Pressure Balance Shield	ZHANG Jinxun, YIN Minglun, JIANG Yusheng, JIANG Hua, ZHOU Liugang, SUN Zhengyang (1501)
Research and Application of Anticracking and Seepage Prevention Approaches for a Working Shaft Sidewall Concrete in Yangtze River Tunnel in Jiangyin, Jiangsu, China	WANG Jun, LI Ming, WANG Yujiao, TIAN Qian, LI Shilong, LI Min (1514)
Development and Engineering Application of Novel Synchronous Double-Component Grouting behind Shield Segment	HUAI Rongguo, HUANG Siyuan, ZHONG Xiaochun, CHEN Xuquan, HU Yikang (1521)
Stability Evaluation of Loess Tunnel during Construction Based on Principal Component Analysis-Cloud Model	ZHAO Yan (1529)
Coupling Analysis to Investigate Multiple Risk Factors for Tunnel Construction Accidents Based on N-K Model	PAN Hongwei, GUO Desai, SONG Zhanping, XU Tian, ZHANG Yuwei, DING Libo (1537)
Development and Application of a Large-Scale Three-Dimensional Geomechanical Model Test System	WANG Junxiang, HU Kai'en, GUO Lianjun, KOU Haijun, LI Lin, CUI Ningkun (1546)
Development and Application of a Micro Tunnel Boring Machine Test System Suitable for Simulating Complex Geological Conditions	ZHAO Hailei, ZENG Chuigang, WANG Liming, PAN Dongjiang, YANG Zhenxing, ZHAO Ziji, LI Hongbo (1561)
Thermodynamic Properties of Phase Change Material/Cement Composite Slurry	ZHU Ying, ZHAO Jinxing, QU Jingying, QIAN Xiaohua, ZENG Changnui, REN Lei (1570)
Hole Type and Supporting Time of Double-Layer Primary Support for Large Deformation Soft Rock Tunnel with High Insitu Stress	XIE Jinchi, KOU Hao, HE Chuan, NIE Jincheng, YANG Wenbo, XIAO Longge (1578)
Design of Secondary Lining Structure of a Giant-Span Cavern ...	SONG Chaoye, LYU Shuqing, HE Weiguo (1589)
Route Scheme of Pearl River Estuary Tunnel Project of Shenzhen-Jiangmen Railway	CHU Kai, HE Weiguo, YU Yong (1597)
Research and Application of Assembled Steel Bulkhead for Hanjiang Immersed Tunnel in Xiangyang, China	ZENG Bocun, CAO Linxiang, ZHOU Xingtao, SUN Xiaowei, WANG Cong, HU Jiayi (1605)
Parametric Calculation for Longitudinal Structure of Shield Tunnel Based on Geological Drilling Data	LI Linhao, CHEN Ke, HU Yunhua, LONG Fan (1615)
Experimental Research on Key Parameters of Main Drive High-Pressure Sealing System of Tunnel Boring Machines	LIU Hua (1622)
Study on Roadheader Cutterhead Torque for Cutting Reinforced Concrete Pipe	SU Minghao, GAN Yu, LI Yang, JIA Lianhui (1628)
Design and Application of Multichannel Ground-Penetrating Radar Timing Control Module Based on Time-Division Multiplexing Principle	WANG Baiquan, LIU Changbin, WANG Hua, ZHANG Anxue, CHEN Siyu, XIE Tao (1637)
Feasibility and Performance Requirements of Ultra-High-Performance Concrete in Crack Treatment of Tunnel Lining	PAN Yue, HE Xiongfei, ZOU Chong, YANG Chaoshuai (1647)
Longest Continuous Underground Metro Section (over 10 km) in Operation in the World	(1656)