

1961年7月创刊

全国中文核心期刊

全国科技论文统计和分析用刊

中国学术期刊综合评价数据库

统计源期刊

中国学术期刊全文数据库收录期刊

主编 叶阳升 副主编 王红

主管: 中华人民共和国铁道部

主办: 中国铁道科学研究院

地址: 北京市海淀区大柳树路2号

邮政编码: 100081

编辑电话: (010)51849235 51893552(市电)

(021)49235 93552(路电)

广告电话: (010)51893587(市电)

(021)93587(路电)

电子信箱: tdjz@rails.com.cn

tdjzjh@126.com

排版: 清华同方光盘股份有限公司

数据加工中心

印刷: 北京昌平百善印刷厂

总发行处: 北京报刊发行局

订购处: 全国各邮电局

邮发代号: 2-405

国内统一刊号: CN 11-2027/U

国际标准刊号: ISSN 1003-1995

广告经营许可证: 京海工商广字第8046号

每期订价: 10元 全年订价: 120元

目次

桥梁

- 高速铁路曲线地段长大连续梁桥无缝线路方案研究
.....曾宪海 蒋金洲(1)
- 波形钢腹板组合梁桥振动特性测试与分析
.....陈建兵 胡洋 万水(6)
- 空心型箱型框架桥力学特性有限元分析
.....欧阳章智 王东权 于广云等(9)
- 客运专线(76+160+76)m连续梁拱肋架设施工技术
.....李红英(13)
- 桥梁悬臂施工0号块高程控制
.....张戎令 王起才 马丽娜等(16)
- 焊接钢桥结构细节疲劳裂纹成因及解决对策
.....郭春华 任伟平(18)
- 龙门吊架梁技术在跨铁路桥梁施工中的运用
.....陈天艳(22)
- 高速铁路架梁施工中自流平支座砂浆的研究及应用
.....张勇 杨富民(24)
- 桥墩纵向水平刚度对桥上无缝道岔的影响
.....荆果 王平(27)
- 新型拼装组合式挂篮的介绍与数值模拟
.....李君君 刘晓庆(30)
- 桥梁平转体系构成及安装关键技术
.....陈春华(34)
- 新建铁路大跨度钢箱拱桥转体施工控制分析
.....贾建平(36)
- 大体积混凝土施工温度控制研究
.....马少雄 刘超群 符敏(40)
- 木桩基础加固方案及效果分析
.....陶茂杏 张勇(42)
- 新建铁路桥梁聚脲防水施工技术
.....吴晓红 常淑清(44)
- 地铁施工中既有桥梁的桩基托换技术
.....王博 张保圆(47)
- 路涵过渡段涵洞竖向压力现场试验研究
.....陈锋 蔡德钧 韩自力等(49)

隧道

- 静力水准监测在地铁盾构下穿建筑物过程中的应用
.....李伟 孙立光(51)
- 地铁隧道施工引起地表沉降主要影响角的分析
.....韩冬 苏三庆 郑选荣等(55)
- 客运专线单双线过渡段分岔隧道施工效应三维数值分析
.....代维达(59)
- 盾构过富水砂层流—固耦合数值模拟计算
.....张远荣 肖文海 尤庆忠(64)
- 松散岩层偏压大断面隧道进洞关键技术研究
.....石满刚(67)
- 考虑外水压力的山岭深埋隧道变形分析
.....邓祥辉(70)
- 高速动车组通过合武铁路湖北段隧道空气动力性能测试
.....周亚宇(73)
- TRT技术在隧道地质超前预报中的应用
.....刘杰 廖春木(77)
- 兰新铁路防风明洞结构形式设计研究
.....盛智平(80)



封面简介

中联CIFA-CSS3 混凝土喷射机械手配有三段折叠式大臂,作业半径可达16 m,SHOTRUCK 2 底盘带180° 旋转全封闭驾驶室,泵送单元具有双动力驱动,Uniflux EAS2 添加剂系统集成泵送流量测定系统、外加剂精确计量系统和添加控制于一体。广泛适用于铁路隧道全断面、道路边坡支护、地下大型洞室和基坑支护等混凝土喷射作业。

路基与基础

- 基于 MIDAS/GTS 对地铁站超深基坑空间效应的研究
.....李 辉 杨罗沙 李 征等(83)
- 路基沉降变形评估与非等间隔灰色 Verhulst 模型
.....肖霞林(86)
- 水泥粉喷桩复合地基现场试验研究
.....杨庆刚 高春宁(89)
- 植物护坡的力学机制分析
.....言志信 曹小红 张刘平等(92)
- 马家沟滑坡变形特征及稳定性分析
.....涂鹏飞 岑仲阳 余和元(95)
- 高速列车振动引发地层位移响应分析
.....戴林发宝 王广地 高 波等(98)
- 湿陷性黄土地基强夯加固控制指标的研究
.....宋修广 刘相宜 庄培芝等(101)
- 哈大客运专线长螺旋泵压 CFG 桩施工技术
.....张先军(104)

线路与维修

- CRTS II 型轨道板混凝土技术与养护制度
.....马春生 谷永磊(107)
- 北京地铁 5 号线钢弹簧浮置板轨道减振效果测试与分析
.....孙成龙 高 亮(110)
- 重载铁路钢轨润滑及摩擦控制研究
.....罗国伟 李 伟(114)
- 采用钢轨打磨减缓朔黄铁路小半径曲线钢轨伤损的试验研究
.....罗慧刚(117)
- 铁路营业线施工风险分析与管理研究
.....王兴中(120)
- 钢轨绝缘接头失效原因分析及规避措施
.....赵伟英 崔 燕 徐光旗(122)
- 铁路采石场环境保护浅谈
.....张 霖(124)
- 三维精确定位系统在京哈线的应用
.....乔连军(127)
- 超短基线方向测量研究
.....王化光 尹紫红(130)
- CRTS II 型轨道板打磨技术研究
.....程华山(133)
- 郑西高速铁路现场移动闪光焊施工技术
.....马良民 张海龙(136)
- 道岔轨下刚度不均匀对轮轨系统动力特性的影响分析
.....傅一帆 罗雁云(139)

其它

- 圆中空夹层钢管混凝土压弯构件滞回模型研究
.....陈学嘉 陈梦成 黄 诚(141)
- 超短钢纤维混凝土压剪破坏机理研究
.....王志亮 杨文敬 吴立朋(145)
- 风送型喷浆机管道输送系统进风分配阀结构对气流影响的分析研究
.....贾向春 罗朝廷 郑朝保(149)
- 高架车站候车厅混响时间现场测试试验研究
.....伍向阳 辜小安 彭 锋(152)
- 含碳酸盐掺合料复合胶凝材料净浆流动特性研究
.....李化建 赵国堂 谢永江等(155)

CONTENTS

Bridge

- Scheme study about CWR (Continuous Welded Rail) on long-large continuous girder bridge at curved section of high-speed railway ZENG Xianhai, et al(1)
- Measurement and analysis on vibration characteristics of composite girder bridge with corrugated steel webs CHEN Jianbing, et al(6)
- Finite element analysis on mechanical characteristics hollow-type box-shaped frame bridge OUYANG Zhangzhi, et al(9)
- Erecting technology of arch ribs of (76+160+76) m continuous girder arch on passenger-dedicated railway LI Hongying(13)
- Elevation control of bridge's block No.0 during free cantilever construction ZHANG Rongling, et al(16)
- Cause of fatigue fissure and its solution of structure details in welded steel bridge GUO Chunhua, et al(18)
- Application of gantry crane in erecting bridge across railway CHEN Tianyan(22)
- Study and application of gravity mortar-grouting in formation of bridge's bearing on high-speed railway ZHANG Yong, et al(24)
- Influence of horizontally longitudinal stiffness of bridge pier on welded turnout on bridge JING Guo, et al(27)
- Introduction of new assembling basket and its numerical simulation LI Junjun, et al(30)
- Components and installation of bridge swing system as well as study on key erecting technologies CHEN Chunhua(34)
- Analysis of control over rotation construction of large-span steel box arch bridge on newly built railway JIA Jianping(36)
- Study on control over temperature during huge concrete pouring construction MA Shaoxiong, et al(40)
- Strengthening scheme of timber pile foundation and analysis of its effect TAO Maoxing, et al(42)
- Construction technology of polyurea waterproof on newly built railway bridge WU Xiaohong, et al(44)
- Study on underpinning of pile foundation of existing bridge during metro tunnel driving WANG Bo, et al(47)
- In situ test study on vertical pressure of culvert at road-culvert transition zone CHEN Feng, et al(49)

Tunnel

- Application of hydrostatic level monitoring during shield-tunnel driving through under buildings LI Wei, et al(51)
- Analysis of main influence angle in surface settlement curve induced by metro tunnel driving HAN Dong, et al(55)
- Three-dimensional numerical analysis of construction effect of spur tunnel at single track and double track transition area on passenger-dedicated railway DAI Weida(59)
- Fluid-solid coupling numerical simulation calculation of water-rich sandy stratum shield passing ZHANG Yuanrong, et al(64)
- Key technologies study on approach to entrance of large profile tunnel in loose rock with biased load SHI Mangang(67)
- Analysis of deformation of deep-buried mountain tunnel subjected to external water pressure DENG Xianghui(70)
- Measurement of aerodynamic performance in tunnel induced by passing of high-speed Multicar Electric Trains at Hubei region of Hefei-Wuhan railway ZHOU Yayu(73)

CONTENTS

- Application of TRT (Tunnel Reflection Tomography) in tunnel advanced geological predication LIU Jie, et al(77)
- Study on wind-proof structure of tunnel shed on Lanzhou-Xinjiang railway SHENG Zhiping(80)

Subgrade Foundation

- Study on space effect of super-deep foundation pit of Xi'an certain metro station project based on MIDAS/GTS software LI Hui, et al(83)
- Assessment of subgrade settlement deformation and non-equal interval Grey Verhulst model XIAO Xialin(86)
- In situ test study on cement jet pile composite foundation YANG Qinggang, et al(89)
- Analysis of mechanical mechanism of plant slope protection YAN Zhixin, et al(92)
- Deformation features and stability analysis of Majiagou landslide TU Pengfei, et al(95)
- Response analysis of ground displacement induced by vibration of high-speed train DAI Linfabao, et al(98)
- Study on control indicators of dynamic compaction method for collapsible loess SONG Xiuguang, et al(101)
- Construction technology of CFG (Cement Flyash Gravel) pile with long spiral pump pressure on Harbin-Dalian passenger-dedicated railway ZHANG Xianjun(104)

Track and Its Maintenance

- Concrete pouring technology and curing system of CRTS II-type track slab MA Chunsheng, et al(107)
- Measurement and analysis of vibration-reducing effect for steel spring floating slab track on Beijing metro line No.5 SUN Chenglong, et al(110)
- Study on rail lubrication and wear control on heavy haul railway LUO Guowei, et al(114)
- Experimental study on rail damage-reducing at curved section with small radius on Shenchihuanghuagang railway using rail grinding LUO Huigang (117)
- Construction risk analysis and management study for operating railway line WANG Xingzhong(120)
- Cause analysis of rail isolated joint failure and avoiding measures ZHAO Weiyang, et al(122)
- Elementary discussion on environmental protection of quarry ZHANG Lin(124)
- Application of three-dimensional accurate location system in Beijing-Harbin railway QIAO Lianjun(127)
- Study on direction survey using mini-base line WANG Huaguang, et al(130)
- Study on grinding technology of CRTS II-type track slab CHENG Huashan(133)
- Construction technique in site of Mobile Flash-butt Welding Machine on Zhengzhou-Xi'an high-speed railway MA Liangmin, et al(136)
- Analysis on influence of track stiffness irregularity beneath turnout on dynamic characteristics of wheel-rail system FU Yifan, et al(139)

Other

- Study on hysteresis model of circular hollow steel tubular concrete member subjected to compression-flexure action CHEN Xuejia, et al(141)
- Study on compression-shear failure mechanism of mini-steel-fiber concrete WANG Zhiliang, et al(145)
- Analytical study on influence of enter wind distribution-valve structure in delivery pipe system of wind-driven wet-sprayer on flow field JIA Xiangchun, et al (149)
- Experimental study on mixed sounds time in waiting room of elevated station by in-situ measurement WU Xiangyang, et al (152)
- Flow characteristic of complex binder paste with carbonate admixture LI Huajian, et al (155)