

中国科技期刊卓越行动计划入选期刊



# 铁道科学与工程学报

Journal of Railway Science and Engineering



万方数据

## 目次

### 高速铁路技术与智慧交通

- 高速铁路路基B组填料振动压实参数优化室内试验研究···叶阳升,陈晓斌,惠潇涵,蔡德钧,尧俊凯,金亮星(2497)
- 京沪高铁沿线江苏段风况研究·····李伟,张颖超,熊雄,袁诗云,吕于荣,叶星瑜(2506)
- 高速铁路钢轨横向稳定性分析及锁定轨温研究·····张向民,张勇(2517)
- 1 435/1 520 mm 高速变轨距转向架动力学滚振试验研究  
·····戴晓超,王泽飞,许东日,王瑞卓,石怀龙,李凡松,刘志强,沈文林,戴焕云(2525)
- 基于质量链的高速铁路工程技术接口数字化管理研究·····贺振霞,胡所亭,班新林,鲍学英,王琳,许见超(2532)

### 轨道与基础

- 基于连续点云数据的既有铁路轨面信息快速提取算法设计 ·····梁涛,韩峰,陈国栋(2544)
- 移动列车荷载下桥上有砟轨道偏心研究·····文颖,欧阳曾辉,吉克,韩廷枢(2552)
- 扣件胶垫温变特性对车辆-轨道-桥梁耦合振动响应的影响研究 ·····崔巍涛,刘林芽,秦佳良,左志远(2561)
- 地震作用下含岩桥边坡系统可靠性分析 ·····李亮,文子祥,王中伟,唐高朋,赵炼恒(2572)
- 加筋宽度与间距对膨胀土特性影响研究·····许英姿,廖旭航,苏超,颜日葵(2583)
- 冻结粉细砂与钢板接触面剪切统计损伤模型构建·····石泉彬,杨平(2591)
- 正态信息扩散法推断岩土参数概率分布的窗宽优化和区间截尾问题研究·····孔令奇,李翠娟(2600)
- 考虑时间效应的黑色页岩遇水三向宏观膨胀力模型研究·····朱宝龙,李倩,王圣林,陈强(2610)

### 桥梁隧道与结构

- 新型上承式拱桥动力特性研究与试验验证 ·····颜晨宇,庞木林,谢肖礼(2620)

- 考虑纵肋-横隔板焊缝模拟的正交异性钢桥面板疲劳性能研究 ..... 祝志文,林君福,李健朋,桂飘(2630)
- 单箱双室变厚翼板 CSW 筒支箱梁剪滞剪切效应 ..... 陈玉龙,刘世忠(2640)
- 基于突变理论的岩溶隧道拱顶安全厚度分析与失稳预测 ..... 邹洋,彭立敏,张智勇,雷明锋,彭龙,施成华(2651)
- 富水土砂分界地层隧道施工工法研究 ..... 王志杰,李金宜,徐海岩,万俊峰,王成,马云飞(2660)
- 基于机制砂混凝土收缩试验的隧道衬砌环向开裂原因探讨  
.....傅蕾,张学民,王立川,侯国强,卫敏,高祥,牛公却尚(2671)
- 双护盾 TBM 掘进过程中隧道围岩强度及变形测试研究 ..... 刘远程,邓荣贵,傅支黔,刘润杭,王拓(2679)
- 基底脱空条件下重载铁路隧道铺底结构疲劳性能试验研究 ..... 王凤,刘聪,彭立敏,雷明锋,施成华(2688)
- 施工通道与站台隧道三岔口段施工方法及力学行为研究 ..... 王景春,张天陆,王炳华,李晓峰(2694)
- 多重体系转换对大跨无柱地下空间结构力学行为影响 ..... 秦学锋,侯文崎,林泓志,张涛(2703)
- 基于单元模态应变能与区间分析的不确定性损伤识别 ..... 鲁四平,张会峰,黄方林(2715)

## 智能制造与装备

- 基于 EWT-MCKD 的机车轮对轴承故障诊断 ..... 张龙,闫乐玮,熊国良,胡俊锋(2722)
- 基于列车运行仿真和 SVR 组合的地铁新线牵引能耗预测方法 ..... 周姗姗,柏赟,袁博,汪茜,李佳杰(2733)
- 轨道车辆三电平储能充电多模控制策略研究 ..... 黄权威,李蔚,于越,张文璐,张泽,刘纪龙(2741)
- 焊接残余应力对对接接头疲劳裂纹扩展的影响 ..... 顾颖,冯倩,任松波,孔超,古松(2752)

## 运输·物流·工程管理

- 考虑风险的国际集装箱多式联运路径选择研究 ..... 冯芬玲,孔祥光,吴庆芳(2761)
- 艰险山区铁路桥隧工程技术接口管理成熟度评价研究 ..... 李亚娟,胡所亭,班新林,鲍学英,王琳,许见超(2769)
- 穿越断层破碎带铁路隧道施工安全多重风险网络研究 ..... 黄健陵,杨云,蔡茜,蔡超勋(2780)
- 装配式建筑施工质量风险评估模型的构建与应用研究 ..... 陈蓉芳,姜安民,董彦辰,熊奇伟,陆银锐(2788)

责任编辑: 阳丽霞      英文编审: 肖源杰      封面设计: 刘 谊

期刊基本参数: CN43-1423/U\*2004\*m\*A4\*300\*zh\*P\*¥50.00\*1500\*32\*2021-10

## CONTENTS

### High-speed Rail Technology and Intelligent Transportation

- Laboratory investigation on parameter optimization of vibrating compaction for high-speed railway's Group B  
.....YE Yangsheng, CHEN Xiaobin, HUI Xiaohan, CAI Degou, YAO Junkai, JIN Liangxing(2497)
- Research on wind conditions of Jiangsu section along Beijing-Shanghai high-speed railway  
.....LI Wei, ZHANG Yingchao, XIONG Xiong, YUAN Shiyun, LU Yurong , YE Xingyu(2506)
- Analysis of lateral stability on high-speed railway rails and research on design stress-free rail temperature  
.....ZHANG Xiangmin, ZHANG Yong(2517)
- Roller rig test of vehicle dynamics for a 1 435/1 520 mm high-speed gauge-changeable bogie  
.....DAI Xiaochao, WANG Zefei, XU Dongri, WANG Ruizhuo, SHI Huailong,  
LI Fansong, LIU Zhiqiang, SHEN Wenlin, DAI Huanyun(2525)
- Research on digital management of high-speed railway engineering technology interface based on quality chain  
.....HE Zhenxia, HU Suoting, BAN Xinlin, BAO Xueying, WANG Lin, XU Jianchao(2532)

### Track and Foundation

- Algorithm design for fast extraction of rail-surface information for existing railway based on continuous point cloud data  
.....LIANG Tao, HAN Feng, CHEN Guodong(2544)
- Study on the eccentricity between the ballast track and supporting bridge under the action of moving trains  
.....WEN Ying, OUYANG Zenghui, JI Ke, HAN Tingshu(2552)
- Research on influence of temperature-dependent characteristics of rail rubber pads on vehicle-track-bridge coupled vibration responses  
..... CUI Weitao, LIU Linya, QIN Jialiang, ZUO Zhiyuan(2561)
- Reliability analysis of rock bridge slope system under earthquake action  
.....LI Liang, WEN Zixiang, WANG Zhongwei, TANG Gaopeng, ZHAO Lianheng(2572)
- Study on the influence of reinforcement width and spacing on characteristics of expansive soil  
.....XU Yingzi, LIAO Xuhang, SU Chao, YAN Rikui(2583)
- Construction of statistical shear damage model at the interface between frozen fine sand and steel plate  
.....SHI Quanbin, YANG Ping(2591)
- Research on window width optimization and interval truncation for inferring probability distribution of geotechnical parameters by normal information diffusion method..... KONG Lingqi, LI Cuijuan(2600)
- Study on time-dependent effect and three-dimensional macro-micro swelling pressure model of black shale under influence of water .....ZHU Baolong, LI Qian, WANG Shenglin, CHEN Qiang(2610)

### Bridge, Tunnel and Structure

- Dynamic characteristics and experimental verification of the new type of deck arch bridge  
.....YAN Chenyu, PANG Mulin, XIE Xiaoli(2620)

- Fatigue investigation on orthotropic steel bridge decks considering the simulation of rib-to-floorbeam welds  
 .....ZHU Zhiwen, LIN Junfu, LI Jianpeng, GUI Piao(2630)
- Shear lag shear effect of single-box and double-cell thickened wing plate CSW simply supported box girder  
 .....CHEN Yulong, LIU Shizhong(2640)
- Safety thickness analysis and stability prediction of tunnel roof in karst region based on catastrophe theory  
 .....ZOU Yang, PENG Limin, ZHANG Zhiyong, LEI Mingfeng, PENG Long, SHI Chenghua(2651)
- Study on construction method of rich-water tunnel in soil-sand boundary stratum  
 .....WANG Zhijie, LI Jinyi, XU Haiyan, WAN Junfeng, WANG Cheng, MA Yunfei(2660)
- Discussion on circumferential cracking of tunnel lining based on shrinkage test of machine-made sand concrete  
 .....FU Lei, ZHANG Xuemin, WANG Lichuan, HOU Guoqiang, WEI Min, GAO Xiang, NIU Gongqueshang(2671)
- Study on strength and deformation test of tunnel surrounding rock during double shield TBM tunneling  
 .....LIU Yuancheng, DENG Ronggui, FU Zhiqian, LIU Runhang, WANG Tuo(2679)
- Experimental study on fatigue performances of heavy haul railway tunnel's pavement structure with base cavity  
 .....WANG Feng, LIU Cong, PENG Limin, LEI Mingfeng, SHI Chenghua(2688)
- Research on construction method and dynamic mechanical behavior of three-fork section of construction passage and station  
 tunnel ..... WANG Jingchun, ZHANG Tianlu, WANG Binghua, LI Xiaofeng(2694)
- Influence of multiple system transformation on the mechanical behavior of long-span non-column underground spatial structure  
 .....QIN Xuefeng, HOU Wenqi, LIN Hongzhi, ZHANG Tao(2703)
- Damage detection considering uncertaining based on interval analysis and element modal strain energy  
 .....LU Siping, ZHANG Huifeng, HUANG Fanglin(2715)

## **Intelligent Manufacturing and Equipment**

- Fault diagnosis of locomotive wheel set bearing based on EWT-MCKD  
 .....ZHANG Long, YAN Lewei, XIONG Guoliang, HU Junfeng(2722)
- Traction energy consumption prediction of new metro lines based on simulation combining support vector regression  
 .....ZHOU Shanshan, BAI Yun, YUAN Bo, WANG Qian, LI Jiajie(2733)
- Research on multimode control strategy for three level energy storage charging of rolling stock  
 .....HUANG Quanwei, LI Wei, YU Yue, ZHANG Wenlu, ZHANG Ze, LIU Jilong(2741)
- Effects of welding residual stresses on fatigue crack growth behavior of butt joint  
 .....GU Ying, FENG Qian, REN Songbo, KONG Chao, GU Song(2752)

## **Transportation • Logistics • Engineering Management**

- Research on the route selection of international container multimodal transportation considering risk  
 .....FENG Fenling, KONG Xiangguang, WU Qingfang(2761)
- Study on management maturity evaluation of technical interface of railway bridge and tunnel project in dangerous mountainous  
 area ..... LI Yajuan, HU Suoting, BAN Xinlin, BAO Xueying, WANG Lin, XU Jianchao(2769)
- Research on multiple risk network of railway tunnel construction crossing fault fracture zone  
 .....HUANG Jianling, YANG Yun, CAI Xi, CAI Chaoxun(2780)
- Construction and application of risk assessment model for prefabricated construction quality  
 .....CHEN Rongfang, JIANG Anmin, DONG Yanchen, XIONG Qiwei, LU Yinrui(2788)