

目 次

·道路工程·

- CPC-AC复合路面层间结合系数研究 郭寅川, 申爱琴, 李博成, 赵耀辉 (1)
铁尾矿砂路基沉降及稳定性数值分析 牛玺荣, 孙延芳 (9)
基于多孔属性的环保型路用涂层性能 郭滕滕, 张廉, 王朝辉, 王新岐, 冯炜 (17)
岩质边坡滚石飞落模型与防治技术 崔喆, 石永飞, 孟家琪 (25)
基于两尺度模型的CRCP冲断区域剥落研究 赵全满, 张洪亮, 高江平, 贾朝霞 (32)
水泥乳化沥青混合料施工和易性评价方法及影响因素
..... 张翠红, 焦生杰, 曹学鹏, 闫玉奎, 陈小雪, 齐彦秋 (41)

·桥梁与隧道工程·

- 盐沼泽环境下公路桥梁桩基材料耐腐蚀试验
..... 姚贤华, 冯忠居, 王富春, 徐占慧, 刘宁, 姚冠兵 (49)
单箱双室不等壁厚箱梁受弯与约束受扭的有限节线法分析 龚耀清, 罗亚南 (59)
UHPC铺装加固斜拉桥正交异性钢桥面板 邓鸣, 张建仁, 王蕊, 闫燕红, 戴理朝, 王磊 (67)
基于离散元弹性边界模拟的砂土剪切行为分析 王俊, 安俊吉, 何川, 唐锐 (75)

·交通工程·

- 匝道车道数变化过渡段设计指标 潘兵宏, 刘斌, 周海宇, 霍永富, 武生权 (82)
基于GIS热点技术的低碳出行街区建成环境特征探析
..... 张煊, 刘勇, 侯全华, 魏亚建, 段亚琼 (89)
大客流冲击下北京市轨道交通网络稳定性 孙立山, 黄雨晨, 宫庆胜, 张天齐, 姚丽亚 (98)

·汽车与机械工程·

- 基于效率优化的增程式电动环卫车控制策略 刘钊, 解少博 (105)
机械变速器换档的接合过程建模及特性分析 陈红旭, 卢紫旺, 王立军, 田光宇 (112)
五轴数控加工3D刀具补偿及其后置处理方法 蔡安江, 宋仁杰, 杜金健, 李林 (120)

CONTENTS

• Road Engineering •

Study on interlayer bonding coefficient of CPC-AC composite pavement

..... GUO Yin-chuan, SHEN Ai-qin, LI Bo-cheng, ZHAO Yao-hui (1)

Numerical analysis on settlement and stability of iron ore tailings subgrade NIU Xi-rong, SUN Yan-fang (9)

Performance of environment-friendly road coating based on porous properties

..... GUO Teng-teng, ZHANG Lian, WANG Chao-hui, WANG Xin-qi, FENG Wei (17)

Free-fly rolling model of stone on rock slope and control techniques CUI Zhe, SHI Yong-fei, MENG Jia-qi (25)

Study on spalling of CRCP punch-out area based on two scale model

..... ZHAO Quan-man, ZHANG Hong-liang, GAO Jiang-ping, JIA Zhao-xia (32)

Evaluation method and influencing factors for construction workability of cement-emulsified asphalt mixture

..... ZHANG Cui-hong, JIAO Sheng-jie, CAO Xue-peng, YAN Yu-kui, CHEN Xiao-xue, QI Yan-qiu (41)

• Bridge and Tunnel Engineering •

Experiment on erosion-resistance of highway bridge pile foundation material under salt marshes environment

..... YAO Xian-hua, FENG Zhong-ju, WANG Fu-chun, XU Zhan-hui, LIU Ning, YAO Guan-bing (49)

Analysis on single-box double-cells unequal-wall-thickness girder due to bending and restrained

..... torsion by finite nodal-line method GONG Yao-qing, LUO Ya-nan (59)

Reinforcement of orthotropic steel bridge deck for cable-stayed bridge based on UHPC paving system

..... DENG Ming, ZHANG Jian-ren, WANG Rui, YAN Yan-hong, DAI Li-zhao, WANG Lei (67)

Analysis of shear behavior of sand based on elastic boundary simulation of discrete element method

..... WANG Jun, AN Jun-ji, HE Chuan, TANG Rui (75)

• Traffic Engineering •

Design index of transition section of ramp lane number change

..... PAN Bing-hong, LIU Bin, ZHOU Hai-yu, HUO Yong-fu, WU Sheng-quan (82)

Characteristics of built environment in low-carbon travel block based on GIS hotspot technology

..... ZHANG Xuan, LIU Yong, HOU Quan-hua, WEI Ya-jian, DUAN Ya-qiong (89)

Stability of Beijing rail transit network under the impact of large passenger flow

..... SUN Li-shan, HUANG Yu-chen, GONG Qing-sheng, ZHANG Tian-qi, YAO Li-ya (98)

• Automotive and Mechanical Engineering •

Control strategy for a range-extended electric sanitation truck based on efficiency optimization

..... LIU Zhao, XIE Shao-bo (105)

Modeling and characteristic analysis of engaging process during gear shifting of mechanical transmissions

..... CHEN Hong-xu, LU Zi-wang, WANG Li-jun, TIAN Guang-yu (112)

Method on five-axis CNC machine 3D cutter compensation and post-process

..... CAI An-jiang, SONG Ren-jie, DU Jin-jian, LI Lin (120)