

目 次

路基工程

- 考虑软化效应的滨海软土区基桩受力与变形特性分析 王飞, 闫宇, 焦立冬, 申奉歧, 陈璐, 刘建华(1)
- 炭质页岩路基填料的路用性能研究 张孟金, 黄亚飞, 吴谦, 毛雪松, 张建勋, 陈欣怡, 王悦月(9)
- 拼装式土工格室挡墙受力变形测试分析 孔永博, 李浩, 张建伟, 李俊杰, 杨晓华(18)

路面结构与材料

- 刚柔复合式路面结构与材料及发展趋势 刘朝晖, 黄优, 余时清, 刘靖宇, 李盛, 柳力, 潘宇(27)
- 刚柔复合式路面轮后拉剪区域疲劳破坏规律研究 程小亮, 邓福昊, 王阳, 韩雷雷, 周吴军(54)
- 沥青路面构造深度分区域平面拟合算法 朱峰, 冯兴乐, 伍川, 林小勇(61)
- 长大隧道沥青路面铺装中温拌阻燃技术对施工环境的影响 鲜江林, 李雁翔, 杨青阳(68)
- 不同环境下酸性闪长岩沥青混合料长期水稳性能评价研究 曹忠露, 陈平, 刘学文, 谭波(75)
- 乳化沥青冷再生混合料断裂性能试验研究 褚晨枫, 邓军, 周琛, 王子昂, 况澳, 刘宏富(82)
- 海相淤泥水泥土强度与变形特性试验及相互关系研究 邓武, 刘维正, 陈铁, 葛孟源(91)
- 废轮胎热解炭黑(TPCB)改性沥青抗紫外老化性能试验研究
..... 杨晚生, 易帅兵, 戴天乐, 李甜甜, 甘有为(103)
- 吹填淤泥土的双掺固化和配比优化试验研究 秦亮, 陈志敏, 卢永飞(110)
- 考虑颗粒破碎的固化泥粒-砂土混合填料压缩特性研究
..... 韩超, 俞越中, 柏彬, 徐志豪, 张献蒙, 刘寅莹, 孔硕颖(119)
- 掺蔗渣纤维橡胶沥青再生混合料路用性能研究 蒋鑫(130)
- PVA纤维增强珊瑚混凝土静动态力学性能试验研究
..... 周进毅, 龙志林, 郭瑞奇, 旷杜敏, 蔡洋, 陈莎莎, 陈劲杰(138)
- 砂岩用于高速公路沥青路面面层可行性研究
..... 楼建敏, 孟宪东, 宋致科, 赵立东, 白巨龙, 赵胜利, 朱继双(148)

桥梁工程与隧道工程

- 基于拓扑优化和模块化组成的UHPC围护结构受力性能研究 周芷萱,蒋友宝,刘军,向义,周浩(155)
- 多跨连续钢管混凝土拱桥拆除关键技术研究 万成福,曾文莉(164)
- 钢绞线非均匀锈蚀下混凝土胀裂细观数值模拟 曾天宝,陈宏,黄筱洪,涂荣辉,戴理朝(174)
- 独塔混合梁斜拉桥参数灵敏度分析 陈孔亮,叶健新,徐郁峰,黄焯彬,郭奋涛(182)
- 基于悬拼钢拱架法的钢筋混凝土拱桥主拱圈现浇施工关键技术及数值模拟
..... 粟学平,夏争志,吕松刚,段朋杰,吕毅刚(191)
- 大跨度混凝土梁斜拉桥挂篮设计及安装技术 曾宪柳,庞建国,陈诚(201)
- 深水硬质岩嵌入式承台无封底施工关键技术 曾健,关小会,郭志伟(207)
- 基坑爆破开挖爆点位置与基坑高度对爆破振动影响研究
..... 刘宽,徐志豪,汤渊,沈俊,包小华,沈平欢,欧阳(214)
- 单洞四车道超大跨度公路隧道Ⅳ级围岩合理施工方法研究
..... 李合银,高景明,李炎峰,荀文杰,董方方,张建刚(220)
- 双洞八车道特大跨度隧道Ⅴ级石质围岩开挖工法 施有志,刘旭东,雍金柱(231)

智慧公路与智能交通

- 混凝土护栏坡面参数对防护车辆撞击作用的影响 龚帅(243)
- 节地美观型中央分隔带护栏设计与评价 李景军,王新,齐杰,王孜健,刘思源(252)
- 高速公路旧桥桥梁护栏提升发展研究 刘新萍,张世辉,尚钟平,韩跃,章强(260)

公路养护与路域环保

- 基于平衡设计的超薄磨耗层研究与现场试验 顾建军,李夏,李阿坦,孙强,李洁,江照伟(267)
- 基于长期检测的桥梁全寿命智能维养系统 叶智威,张佳鑫,谭海山,樊蕾,贺文,董优,吴旺林(274)

国外公路

- 西非砾质红土粒料掺砂改良及水泥稳定处置研究 金海兵,易子程,卓荣(282)

参加“期刊编校无差错承诺活动”期刊

CONTENTS

Subgrade Engineering

Mechanical and Deformation Characteristics of Piles in Coastal Soft Soil Areas Considering Softening Effect

..... WANG Fei, YAN Yu, JIAO Lidong, SHEN Fengqi, CHEN Lu, LIU Jianhua(1)

Research on Road Performance of Carbonaceous Shale Subgrade Filler

..... ZHANG Mengjin, HUANG Yafei, WU Qian, MAO Xuesong, ZHANG Jianxun, CHEN Xinyi, WANG Yueyue(9)

Test and Analysis on Stress and Deformation of Assembled Geocell Retaining Wall

..... KONG Yongbo, LI Hao, ZHANG Jianwei, LI Junjie, YANG Xiaohua(18)

Pavement Structure and Materials

Structure and Material of Rigid-Flexible Composite Pavements and Development

..... LIU Zhaohui, HUANG You, YU Shiqing, LIU Jingyu, LI Sheng, LIU Li, PAN Yu(27)

Research on Fatigue Failure Law in Tension-Shear Zone behind Wheel in Rigid and Flexible Composite Pavement

..... CHENG Xiaoliang, DENG Fuhao, WANG Yang, HAN Leilei, ZHOU Wujun(54)

Multi-Region Plane Fitting Algorithm for Texture Depth of Asphalt Pavements

..... ZHU Feng, FENG Xingle, WU Chuan, LIN Xiaoyong(61)

Influence of Warm-Mixed Flame Retardant Technology on Construction Environment of Asphalt Pavement in Long Tunnel

..... XIAN Jianglin, LI Yanxiang, YANG Qingyang(68)

Evaluation of Long-Term Water Stability of Acidic Diorite Asphalt Mixtures in Different Environments

..... CAO Zhonglu, CHEN Ping, LIU Xuwen, TAN Bo(75)

Experimental Study on Fracture Performance of Emulsified Asphalt Cold Recycled Mixture

..... CHU Chenfeng, DENG Jun, ZHOU Chen, WANG Zi'ang, KUANG Ao, LIU Hongfu(82)

Experiment on Strength and Deformation Characteristics of Marine Silt Cement Soil and Their Relationship

..... DENG Wu, LIU Weizheng, CHEN Tie, GE Mengyuan(91)

Experimental Research on Anti-UV Aging Performance of Tire Pyrolysis Carbon Black (TPCB) Modified Asphalt

..... YANG Wansheng, YI Shuaibing, DAI Tianle, LI Tiantian, GAN Youwei(103)

Experimental Study on Double-Mixture Solidification and Ratio Optimization of Dredger Fill Sludge

..... QIN Liang, CHEN Zhimin, LU Yongfei(110)

Study on Compression Characteristics of Solidified Mud-Sand Mixed Fillers Considering Particle Breakage

..... HAN Chao, YU Yuezong, BAI Bin, XU Zhihao, ZHANG Xianmeng, LIU Yinying, KONG Shuoying(119)

Road Performance of Reclaimed Asphalt Mixture Mixed with Bagasse Fibers and Rubber-Modified Asphalt JIANG Xin(130)

Experimental Study on Static and Dynamic Mechanical Properties of PVA Fiber-Reinforced Coral Concrete

..... ZHOU Jinyi, LONG Zhilin, GUO Ruiqi, KUANG Dumin, CAI Yang, CHEN Shasha, CHEN Jinjie(138)

Feasibility of Sandstone Used in Asphalt Pavement of Expressways

..... LOU Jianmin, MENG Xiandong, SONG Zhike, ZHAO Lidong, BAI Julong, ZHAO Shengli, ZHU Jishuang(148)

Bridge Engineering & Tunnel Engineering

- Mechanical Performance of UHPC Building Envelope Based on Topological Optimization and Modular Composition
..... ZHOU Zhixuan, JIANG Youbao, LIU Jun, XIANG Yi, ZHOU Hao(155)
- Key Techniques for Demolition of Multi-Span Continuous Arch Bridge with Concrete-Filled Steel Tubes
..... WAN Chengfu, ZENG Wenli(164)
- Mesosopic Numerical Simulation of Concrete Cracking Caused by Nonuniform Corrosion of Strands
..... ZENG Tianbao, CHEN Hong, HUANG Xiaoqi, TU Ronghui, DAI Lizhao(174)
- Parameter Sensitivity Analysis of Single-Tower Cable-Stayed Bridge with Mixed Beam
..... CHEN Kongliang, YE Jianxin, XU Yufeng, HUANG Zhuobin, GUO Fengtao(182)
- Key Technology and Numerical Simulation of Cast-in-Place Construction of Main Arch Ring of Reinforced Concrete Arch Bridge Based on Suspension Steel Arch Method SU Xueping, XIA Zhengzhi, LYU Songgang, DUAN Pengjie, LYU Yigang(191)
- Design and Installation Technology of Hanging Basket for Long-Span Concrete Girder Cable-Stayed Bridge
..... ZENG Xianliu, PANG Jianguo, CHEN Cheng(201)
- Key Construction Techniques for Emended Cap Unsealed Bottom of Deep-Water Hard Rock
..... ZENG Jian, GUAN Xiaohui, GUO Zhiwei(207)
- Influence of Blasting Point Position and Foundation Pit Height on Blasting Vibration during Foundation Pit Blasting Excavation
..... LIU Kuan, XU Zhihao, TANG Yuan, SHEN Jun, BAO Xiaohua, SHEN Pinghuan, OU Yang(214)
- Reasonable Construction Method for Grade IV Surrounding Rock in Single-Hole Four-Lane Super-Span Highway Tunnel
..... LI Heyin, GAO Jingming, LI Yanfeng, XUN Wenjie, DONG Fangfang, ZHANG Jiangang(220)
- Excavation Method for V-Grade Surrounding Rock of Double-Hole Eight-Lane Super-Long-Span Tunnel
..... SHI Youzhi, LIU Xudong, YONG Jinzhu(231)

Smart Road and Intelligent Transportation

- Influence of Concrete Barrier Slope Parameters on Protective Effect against Vehicle Collision
..... GONG Shuai(243)
- Design and Evaluation of Land-Saving and Beautiful Median Barriers
..... LI Jingjun, WANG Xin, QI Jie, WANG Zijian, LIU Siyuan(252)
- Guardrail Improvement for Old Bridges in Expressways
..... LIU Xinping, ZHANG Shihui, SHANG Zhongping, HAN Yue, ZHANG Qiang(260)

Road Maintenance and Environmental Protection

- Research and Field Test on Ultra-Thin Wearing Course Based on Balanced Design Concept
..... GU Jianjun, LI Xia, LI Atan, SUN Qiang, LI Jie, JIANG Zhaowei(267)
- Intelligent Bridge Lifecycle Maintenance System Based on Long-Term Inspection
..... YE Zhiwei, ZHANG Jiaxin, TAN Haishan, FAN Lei, HE Wen, DONG You, WU Wanglin(274)

Foreign Highway

- Improvement of Gravelly Laterite and Cement Stable Disposal in West Africa
..... JIN Haibing, YI Zicheng, ZHUO Rong(282)