

中国核心期刊(遴选)
中国科技论文统计源期刊

ISSN 1009-6477
CN 50-1135 / U
CODEN GJJOAE

公路交通技术

Gonglu Jiaotong Jishu

TECHNOLOGY OF HIGHWAY AND TRANSPORT

公路交通技术

二〇二二年 第三十八卷 第一期

2022年 第1期

ISSN 1009-6477



9 771009 647220

主管单位：重庆市交通局
主办单位：重庆交通科研设计院
中国·重庆



2022

第38卷 第1期

公路交通技术

Gonglu Jiaotong Jishu

第 38 卷第 1 期 2022 年 2 月

目 次

道路工程

- 聚氨酯改性沥青的改性技术及相容性研究 陈 芳 杨秋菊 段 婷等(1)
- 堆积体滑坡典型特征分析及工程防治对策
——以贵州习水县某堆积体滑坡为例 郭鹏辉 李良勇(7)
- 复杂控制条件下的枢纽互通方案比选 李 靛 吴金莲 梁 战等(15)
- 直埠南枢纽互通方案研究 梁 战 边 迪 肖 勇等(20)
- 除冰盐对沥青混合料集料性能影响研究 刘亚洲 王银燕(26)
- 基于振动搅拌的混凝土性能试验研究 倪 凯 吴旭辉(31)
- 3D 摊铺系统在底基层和基层施工中的应用研究 徐志勇 张宗兵 陈 刚等(37)
- 可控冲击震源在工程地震勘探中的应用探索 王德福(43)
- 环氧树脂乳化沥青粘层油性室内试验研究 万晓敏(50)
- 圆形截面抗滑桩在红层地区某高速公路滑坡抢险工程中的应用 袁 丁 刘文德 李金标(54)
- 不同表面改性方式对木质纤维分散性影响的试验研究 周 楠 沈明燕 刘 铸等(62)
- 连续配筋混凝土路面温湿翘曲效应的敏感性分析 周 舟 王骁帆(68)

桥梁工程

- 钢箱拱桥扣锚索一体化施工控制简化算法研究 李智恒 崔红梅 曹和生(74)
- 地裂缝对钢-混组合连续梁桥使用性能影响研究 刚增军 冯 威 张喜荣(83)
- 柴埠溪特大桥主桥方案设计 付 强 汪 剑 迟东彪(88)
- 大跨度人行悬索桥颤振控制措施研究 梁亚东 韦立博 杨鹏瑞(94)
- “水滴型”索塔混凝土裂缝控制技术 杨 勇 詹元林 刘 涛(100)
- 双主梁钢板组合梁 UHPC 接缝设计和计算分析 朱三平 胡伟业(107)
- 预压式钢-橡胶组合断面防撞装置性能研究 郑伟峰 周锐根 高 昊等(114)

隧道工程

- 基于强度折减法边坡与隧道联合地层稳定性研究 胡文亮(124)
- 浅埋暗挖大跨地铁站拆撑方案研究 张洪达(129)

交通工程

- 车辆提前掉头几何参数设置及阈值流量研究 张小龙 赵 界 李 冰等(135)
- 基于 Yolo v5 目标检测算法的交通信号灯智能控制装置设计 王新宇(142)

Technology of Highway and Transport

Vol.38 No.1 Feb. 2022

Contents

Study on Modified Technology and Compatibility of Polyurethane Modified Asphalt	CHEN Fang, YANG Qiuju, DUAN Ting, et al.(1)
Analysis on the Typical Characteristics of Accumulation Landslide and Engineering Prevention and Control Measures —A Case Study of an Accumulation Landslide in Xishui of Guizhou Province	GUO Penghui, LI Liangyong(7)
Comparison and Selection of Hub Interchange Schemes under Complex Control Conditions	LI Liang, WU Jinlian, LIANG Zhan, et al.(15)
Study on Interchange Scheme of Zhibu South Hub	LIANG Zhan, BIAN Di, XIAO Yong, et al.(20)
Research on the Effect of Deicing Salt on Aggregate Performance of Asphalt Mixture	LIU Yazhou, WANG Yinyan(26)
Experimental Study on Concrete Performance Based on Vibration Mixing	NI Kai, WU Xuhui(31)
Research on the Application of 3D Paving System in Subbase and Base Construction	XU Zhiyong, ZHANG Zongbing, CHEN Gang, et al.(37)
The Application of Controllable Shock Source in Engineering Seismic Exploration	WANG Defu(43)
Investigation on Lab Test of the Properties of Epoxy Resin Emulsion Asphalt Tack Coat Oil	WAN Xiaomin(50)
Application of Circular Section Anti Slide Pile in Landslide Rescue Project of an Expressway in Red Bed Area	YUAN Ding, LIU Wende, LI Jinbiao(54)
Experimental Study on the Effect of Different Surface Modification Methods on the Dispersity of Wood Fiber	ZHOU Nan, SHEN Mingyan, LIU Zhu, et al.(62)
Sensitive Analysis of Temperature and Moisture Warping Effect on Continuously Reinforced Concrete Pavement	ZHOU Zhou, WANG Xiaofan(68)
Research on the Simplified Algorithm of Integrated Construction Control of Buckle-Anchor - Cables of Steel Box Arch Bridges	LI Zhiheng, CUI Hongmei, CAO Hesheng(74)
Research on the Influence of Ground Fissures on Service Performance of Steel-Concrete Composite Continuous Beam Bridge	GANG Zengjun, FENG Wei, ZHANG Xirong(83)
Concept Design of the Main Bridge of Chaibuxi River Bridge	FU Qiang, WANG Jian, CHI Dongbiao(88)
Study on Flutter Control Measures for Long-span Pedestrian Suspension Bridge	LIANG Yadong, WEI Libo, YANG Pengrui(94)
Concrete Crack Control Measures of "Water Droplet Type" Cable-stayed Bridge Pylon	YANG Yong, ZHAN Yuanlin, LIU Tao(100)
UHPC Joint Design and Calculation Analysis of Double Girder Steel Plate Composite Beams	ZHU Sanping, HU Weiye(107)
Study on Performance of Pre-pressed Steel-Rubber Combined Anti-collision Device	ZHENG Weifeng, ZHOU Ruigen, GAO Hao, et al.(114)
Study on Stratum Stability of Slope and Tunnel Using Strength Reduction Method	HU Wenliang(124)
Study on Dismantling Support Scheme of Shallow-buried Excavation Large-span Metro Station	ZHANG Hongda(129)
Vehicle Early Turnaround Geometry Parameter Setting and Threshold Flow Study	ZHANG Xiaolong, ZHAO Jie, LI Bing, et al.(135)
Design of Intelligent Control Device of Traffic Signal Light Based on Yolo v5 Object Detection Algorithm	WANG Xinyu(142)