

TABLE OF CONTENTS

目 录

智慧高速研究热点与研究前沿分析
Analysis of Hotspot and Frontiers of Smart Highway Research
于泉, 刘秉新, 程仁德, 俞顺, 张丹丹..... 1

基于事故因子分析的道路安全区域差异化管理对策研究
Research on Regional Differentiated Management Strategy of Road Safety Based on Accident Factor Analysis
王一凡, 程瑞, 覃晓煊, 莫松菊, 梁欣然, 韦必军..... 12

基于路网监测设施的公路精准定位巡查系统研发及应用
Research and Application of a Highway Precise Positioning and Inspection System Based on Road Network Monitoring Facilities
姚蕾, 陈瑜, 谢斌, 吴加伦, 管浩杰..... 24

铁路客运站旅客流线与候车能力协同优化方案
Coordinated Optimization Scheme for Passenger Flow Lines and Waiting Capacity at Railway Passenger Stations
苗志鹏 35

HXD3 型机车车轮磨耗数据建模与镟修策略优化
Modeling of Wheel Wear Data and Optimization of Re-Profiling Strategy for HXD3 Locomotives
蔡磊, 刘安飞, 曾毅, 张旭 43

低速车辆在非结构化道路中的轨迹规划
Trajectory Planning of Low-Speed Vehicles on Unstructured Roads
高浩文 52

机车车辆车轮多边形检测算法研究
Algorithm Research on Locomotive Wheel Polygon Detecting
高德阳, 解亮, 王玉龙, 戴永刚, 谢宣, 贾军战, 陆波, 王栋, 赵波 60

基于改进 YOLO v5 的混凝土桥梁裂缝轮廓提取研究
Research on Concrete Bridge Crack Outline Extraction Based on Improved YOLO v5
侯珂, 王翔, 刘文江, 程文党 67