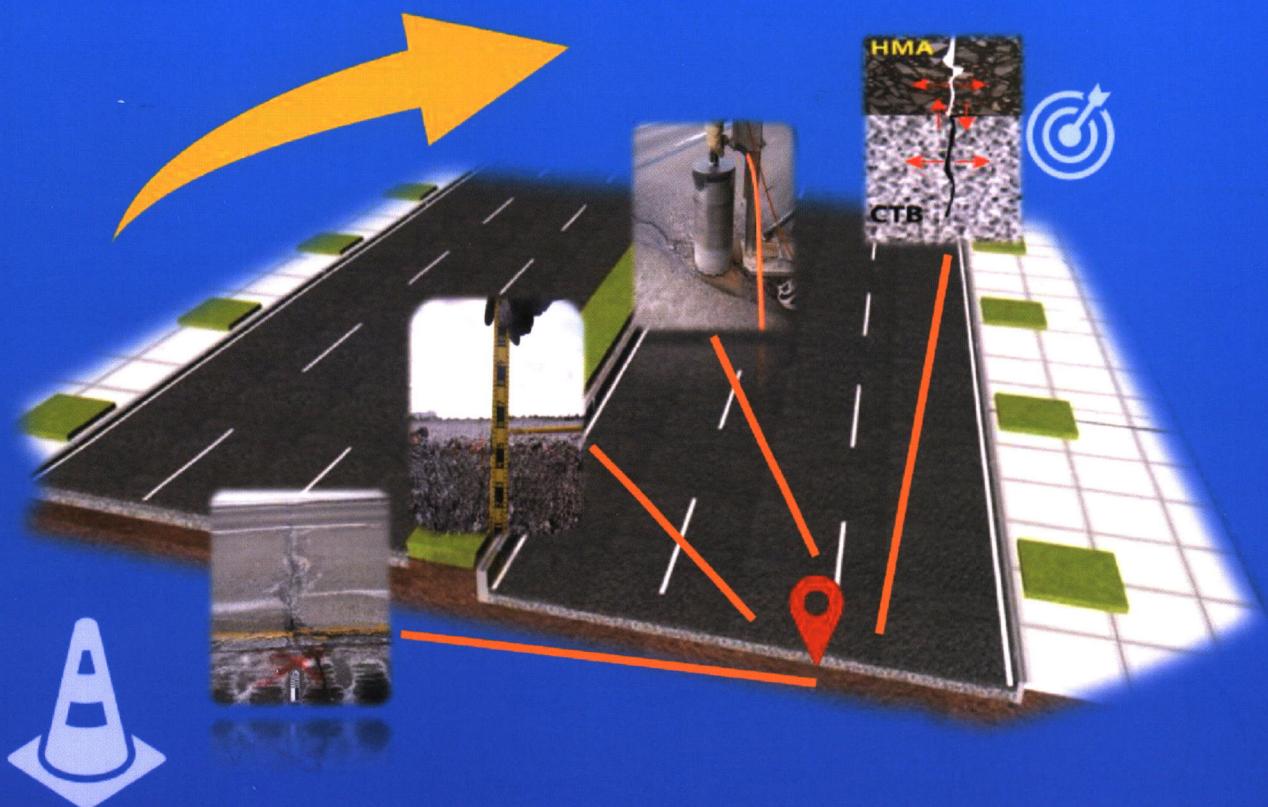




吉林大学学报 工学版

Journal of Jilin University
Engineering and Technology Edition



封面
文章 | 张阳, 王傲鹏, 张靖霖, 马涛, 陈思宇
水泥稳定碎石材料干燥收缩研究综述



万方数据

2
2023

第53卷 第2期
Vol.53 No.2
中国·长春
Changchun, China

吉林大学学报(工学版)

第 53 卷 第 2 期 2023 年 2 月

目 次

综述

- 水泥稳定碎石材料干燥收缩研究综述 张阳, 王傲鹏, 张靖霖, 等 (297)
配电网拓扑辨识研究综述及展望 王果, 郭文凯, 王长春 (312)
可控电抗器研究综述及展望 田铭兴, 王田戈, 张慧英, 等 (328)

车辆工程·机械工程

- 单双搭接接头经高温老化后的失效对比 王登峰, 陈宏利, 那景新, 等 (346)
基于主成分分析阈值选取的挖掘机主泵载荷谱外推 陈晋市, 张森森, 王普长, 等 (355)
一类多刚性限幅振动系统的动态稳定性分析 杨艳, 侍玉青, 张晓蓉, 等 (364)

材料科学与工程

- 氮掺杂 Co/Co₃O₄@C 核壳纳米粒子作为锂电池负极材料的性能 魏素凤, 平昕, 李春霖, 等 (376)

交通运输工程·土木工程

- 基于模糊双边界网络模型的道路运输效率评价 王占中, 蒋婷, 张景海 (385)
城市轨道交通网络韧性评估及恢复策略 马敏, 胡大伟, 舒兰, 等 (396)
考虑智能网联车队强度的混合交通流基本图模型 罗瑞发, 郝慧君, 徐桃让, 等 (405)
电动载货三轮车风险行为及影响因素分析 贺宜, 孙昌鑫, 彭建华, 等 (413)
考虑清空时间的双向队首绿波协调控制数解算法 卢凯, 徐广辉, 叶志宏, 等 (421)
基于循环神经网络的城市轨道交通短时客流预测 张惠臻, 高正凯, 李建强, 等 (430)
城市轨道交通站点吸引范围及强度建模 王菁, 万峰, 董春娇, 等 (439)
考虑柔性车道设置的公交优先信号设计 李津, 孙雨彤, 魏小忠, 等 (448)

基于 MIMIC 与机器学习的出租车驾驶员交通事故诱因分析

- 潘恒彦, 张文会, 梁婷婷, 等 (457)
考虑时变交通拥堵的纯电动物流车路径规划模型 孙宝凤, 姚天姿, 陈雨琦 (468)
基于改进 Jaya 算法的双资源约束柔性作业车间调度 郭鹏, 赵文超, 雷坤 (480)
基于 Timoshenko 梁理论的钢-混组合梁动力折减系数 孙琪凯, 张楠, 刘潇, 等 (488)
高压脉冲放电破碎混凝土梁试验 王晓东, 李宁静, 李强 (496)
预制预装修模块化建筑连接节点抗震性能 闫清峰, 张纪刚, 王涛, 等 (505)
曲线桥梁车桥耦合振动数值分析方法 韩智强, 谢刚, 周勇军, 等 (515)
电热型融雪沥青路面传热特性研究 刘状壮, 张有为, 季鹏宇, 等 (523)

- 基于力学响应分析方法的导电橡胶复合路面铺装技术.....魏海斌，马子鹏，毕海鹏，等 (531)
栓钉剪力连接件力学性能分析.....匡亚川，陈立斌，李超举，等 (538)

计算机科学与技术

- 基于集合阻塞的不确定系统中传感器选择方法.....欧阳丹彤，孙睿，田新亮，等 (547)
基于多源大数据分析的图像特征智能识别模型.....樊敏，宋世军 (555)
基于CEEMDAN理论的堆积层滑坡位移区间预测模型及仿真.....吴剑，许斌 (562)
基于物体语义栅格地图的语义拓扑地图构建方法.....祁贤雨，王巍，王琳，等 (569)
用于脑组织分割的多尺度注意网络.....刘近贞，高国辉，熊慧 (576)
基于残差网络的弯道增强车道线检测方法.....时小虎，吴佳琦，吴春国，等 (584)

通信与控制工程

- 基于混沌麻雀搜索算法的TDOA/FDOA定位国强，朱国会，李万臣 (593)

Journal of Jilin University

(Engineering and Technology Edition)

Vol. 53 No. 2

Feb. 2023

Contents

Dry shrinkage in cement-stabilized macadam: a review	ZHANG Yang, WANG Ao-peng, ZHANG Jing-lin, et al. (297)
Overview and prospect of distribution network topology identification	WANG Guo, GUO Wen-kai, WANG Chang-chun(312)
Overview and prospect of controllable reactor	TIAN Ming-xing, WANG Tian-ge, ZHANG Hui-ying, et al. (328)
Failure comparison of single and double lap joints after high temperature aging	WANG Deng-feng, CHEN Hong-li, NA Jing-xin, et al. (346)
Extrapolation of excavator main pump load spectrum based on threshold selection for principal component analysis	CHEN Jin-shi, ZHANG Miao-miao, WANG Pu-chang, et al. (355)
Dynamic stability analysis of a amplitude-limited vibration system with multiple rigid constraints	YANG Yan, SHI Yu-qing, ZHANG Xiao-rong, et al. (364)
N-doped Co/Co ₃ O ₄ @C core-shell nanoparticles as anode materials for lithium-ion batteries	WEI Su-feng, PING Xin, LI Chun-lin, et al. (376)
Evaluation of road transportation efficiency based on fuzzy double frontiers network model	WANG Zhan-zhong, JIANG Ting, ZHANG Jing-hai(385)
Resilience assessment and recovery strategy on urban rail transit network	MA Min, HU Da-wei, SHU Lan, et al. (396)
Fundamental diagram model of mixed traffic flow of connected and automated vehicles considering vehicles degradations and platooning intensity	LUO Rui-fa, HAO Hui-jun, XU Tao-rang, et al. (405)
Risk behaviors and influencing factors of cargo electric tricycles	HE Yi, SUN Chang-xin, PENG Jian-hua, et al. (413)
Algebraic method of bidirectional green wave coordination control for the head of the platoon considering the clearance time	LU Kai, XU Guang-hui, YE Zhi-hong, et al. (421)
Short-term passenger flow forecasting of urban rail transit based on recurrent neural network	ZHANG Hui-zhen, GAO Zheng-kai, LI Jian-qiang, et al. (430)
Modelling on catchment area and attraction intensity of urban rail transit stations	WANG Jing, WAN Feng, DONG Chun-jiao, et al. (439)
Design of bus priority signal considering flexible lane setting	LI Jin, SUN Yu-tong, WEI Xiao-zhong, et al. (448)
Inducement analysis of taxi drivers' traffic accidents based on MIMIC and machine learning	PAN Heng-yan, ZHANG Wen-hui, LIANG Ting-ting, et al. (457)
Electric delivery vehicle routing problem optimization model with time-varying traffic congestion	SUN Bao-feng, YAO Tian-zi, CHEN Yu-qi(468)
Dual-resource constrained flexible job shop optimal scheduling based on an improved Jaya algorithm	GUO Peng, ZHAO Wen-chao, LEI Kun(480)

- Dynamic reduction coefficients of steel-concrete composite beam based on Timoshenko beam theory SUN Qi-kai, ZHANG Nan, LIU Xiao, et al. (488)
- Experimental on crushing of concrete beams by high-voltage pulse discharge WANG Xiao-dong, LI Ning-jing, LI Qiang(496)
- Seismic performance of connection joints between prefabricated prefinished volumetric construction YAN Qing-feng, ZHANG Ji-gang, WANG Tao, et al. (505)
- Numerical analysis method of vehicle-bridge coupling vibration of curved bridge HAN Zhi-qiang, XIE Gang, ZHOU Yong-jun, et al. (515)
- Study on heat transfer characteristics of electric heating snow melting asphalt pavement LIU Zhuang-zhuang, ZHANG You-wei, JI Peng-yu, et al. (523)
- Conductive rubber composite pavement paving technology based on mechanical response analysis method WEI Hai-bin, MA Zi-peng, BI Hai-peng, et al. (531)
- Analysis of mechanical properties of stud shear connectors KUANG Ya-chuan, CHEN Li-bin, LI Chao-ju, et al. (538)
- Set blocking-based approach to sensor selection in uncertain systems OU-YANG Dan-tong, SUN Rui, TIAN Xin-liang, et al. (547)
- Intelligent recognition model of image features based on multi-source big data analysis FAN Min, SONG Shi-jun(555)
- Displacement interval prediction model and simulation of accumulation landslide based on ceemdan theory WU Jian, XU Bin(562)
- Semantic topological map building with object semantic grid map QI Xian-yu, WANG Wei, WANG Lin, et al. (569)
- Multi-scale attention network for brain tissue segmentation Liu Jin-Zhen, Gao Guo-Hui, Xiong Hui(576)
- Residual network based curve enhanced lane detection method SHI Xiao-hu, WU Jia-qi, WU Chun-guo, et al. (584)
- TDOA/FDOA localization based on chaotic sparrow search algorithm GUO Qiang, ZHU Guo-hui, LI Wan-chen(593)

- ☆《中文核心期刊要目总览》收录期刊
- ☆中国科学引文数据库(CSCD)核心期刊
- ☆中国科技核心期刊
- ☆《科技期刊世界影响力指数(WJCI)报告》收录期刊(Q1区)
- ★美国《工程索引》(EI Compendex)收录期刊
- ★美国《化学文摘》(CA)收录期刊
- ★俄罗斯《文摘杂志》(AJ)收录期刊
- ★美国《剑桥科学文摘》(CSA)收录期刊
- ☆中国知网收录期刊
- ☆中国科技论文在线收录期刊
- ☆《中国学术期刊文摘》等国内十多种文摘收录期刊

吉林大学学报（工学版）

JILIN DAXUE XUEBAO (GONGXUE BAN)

月刊 1957年创刊

第53卷 第2期（总第232期） 2023年2月

JOURNAL OF JILIN UNIVERSITY
(Engineering and Technology Edition)

Monthly, Started in 1957

Vol. 53 No.2 (Sum 232) Feb. 2023

主管单位：中华人民共和国教育部

主办单位：吉林大学

主编：任露泉

执行主编：张祥合

编辑出版：《吉林大学学报（工学版）》编辑部

（长春市人民大街5988号 130022）

电话：0431-85095297

电子邮箱：xbgxb@jlu.edu.cn

网址：<http://xuebao.jlu.edu.cn/gxb>

印 刷：吉林省保隆冠彩印刷有限公司

发行范围：公开发行

国内发行：中国邮政集团有限公司吉林省报刊发行分公司

国外发行：中国国际图书贸易集团有限公司

（北京399信箱，邮编100048）

Responsible Institution Ministry of Education, the
People's Republic of China

Sponsored by Jilin University

Editor-in-Chief Ren Lu-quan

Executive Editor-in-Chief Zhang Xiang-he

Edited and Published by Editorial Board of Journal of
Jilin University(Engineering and Technology Edition)

(5988 Renmin Street, Changchun 130022, China)

Tel: 86-0431-85095297

E-mail: xbgxb@jlu.edu.cn

Website: <http://xuebao.jlu.edu.cn/gxb>

Printed by Jilin Baolong Guancai Printing Co.,Ltd.

Issue Scope Public Issue

Domestic Distributor Distribution Company for Newspaper and
Journals of Jilin Province

Overseas Distributor China International Book Trading Corporation
(P.O.Box 399 Beijing 100048, China)

中国标准连续出版物号 ISSN 1671-5497
CN 22-1341/T

发行代号 国内 12-46
国际 BM4549

国内定价 60.00元/册
720.00元/年

