



铁路运输领域T2级高质量期刊  
中国科技核心期刊  
中国高校优秀科技期刊  
中国科技论文在线优秀期刊  
江西省第五届优秀期刊

ISSN 1005-0523  
CN 36-1035/U

# 华东交通大学学报

JOURNAL OF EAST CHINA JIAOTONG UNIVERSITY

第38卷 总第181期

Vol.38 Sum181

中国 南昌

NANCHANG CHINA

2021 5



# 华东交通大学学报

第 38 卷 第 5 期 2021 年 10 月

## 目 次

### 特约稿件

---

风电机组冷却技术研究综述 ..... 张程宾(1)

基于演化博弈的中小型货运企业平台化转型研究 ..... 甘卫华,曹 坪,李春芝(8)

### 交通基础设施

---

SRPE 套管约束混凝土单轴受压应力-应变本构关系模型

..... 涂序纪,高剑平,涂 帆,曹忠民,刘 洪(16)

某超深圆形基坑受力变形的尺寸效应分析 ..... 赵一行,詹刚毅,石钰锋,梁新欢,蒋亚龙,祝耀东(23)

南昌二元地层便道荷载对邻近桥梁桩基的影响 ..... 丁志文,马 斌,张艺瀚,车东霖,王加俊(30)

边坡下限求解的突变分析方法 ..... 丁心香,李 帅(40)

养护温度对陶瓷粉-水泥复合胶体水化的影响 ..... 陈梦成,张 锐,赵旺平,肖建庄(48)

### 交通管理与控制

---

基于 MK 变点检测和加权 HMM 算法的 NILM 研究 ..... 傅军栋,耿 余,赵 颖,刘 璐(56)

铁路货运机车乘务交路计划编制优化方法 ..... 叶玉玲,何嘉棋(65)

基于十字交叉域的 Census 立体匹配算法优化研究 ..... 宋培玉,王 森(75)

### 载运工具装备

---

现代有轨电车线路轨距加宽对独立轮对磨损的影响 ..... 胡耀华,杨新文,钱鼎玮(82)

铁路枢纽内动车组运维检修规模测算分析研究 ..... 谢红太,王 伟,武振锋(90)

基于放大系数和权重组合的无砟轨道 TQI 计算 ..... 许玉德,吴琰超,魏子龙,杨 飞(101)

### 交叉学科前沿

---

科技金融对高技术产业创新绩效的双重影响 ..... 周才云,肖 莲(110)

两类交叉四角链的拉普拉斯谱及其应用 ..... 涂淑玲,王广富(119)

---

期刊基本参数:CN36-1035/U\*1984\*b\*A4\*126\*zh\*P\*12.00\*2000\*15\*2021-10

万方数据

## CONTENTS

Review on the Cooling Technology of Wind Turbine Systems .....	Zhang Chengbin(1)
Research on the Platform Transformation of Small and Medium Freight Enterprises Based on Evolutionary Game .....	Gan Weihua, Cao Ping, Li Chunzhi(8)
A Stress-Strain Constitutive Model for SRPE Casing Confined Concrete Under Uniaxial Compression .....	Tu Xuji, Gao Jianping, Tu Fan, Cao Zhongmin, Liu Hong(16)
Analysis of the Size Effect of a Ultra-Deep Circular Foundation Pit Under Stress and Deformation .....	Zhao Yixing, Zhan Gangyi, Shi Yufeng, Liang Xinhuan, Jiang Yalong, Zhu Yaodong(23)
Influence of Adjacent Construction Access Load on the Existing Bridge Pile Foundation in Nanchang Binary Strata .....	Ding Zhiwen, Ma Bin, Zhang Yihan, Che Donglin, Wang Jiajun(30)
Catastrophe Analysis Method of Slope Lower Bound Solution .....	Ding Xinxiang, Li Shuai(40)
Effect of Curing Temperature on Hydration of Ceramic Powder-Cement Composite Colloid .....	Chen Mengcheng, Zhang Rui, Zhao Wangping, Xiao Jianzhuang(48)
NILM Research Based on Mann-Kendall and Weighted HMM Algorithm .....	Fu Jundong, Geng Yu, Zhao Ying, Liu Jun(56)
Optimization Method for Railway Freight Locomotive Crew Scheduling .....	Ye Yuling, He Jiaqi(65)
Research on the Optimization of Census Stereo Matching Algorithm Based on Cross-Based Aggregation .....	Song Peiyu, Wang Sen(75)
Influence of Widened Track Gauge of the Modern Tram Line on the Wear of Independent Wheelset .....	Hu Yaohua, Yang Xinwen, Qian Dingwei(82)
Analysis and Research on the Scale of Operation Maintenance and Repair of EMUs in Railway Hub .....	Xie Hongtai, Wang Wei, Wu Zhenfeng(90)
Calculating TQI of Ballastless Track Based on Amplification Coefficient and Weights .....	Xu Yude, Wu Yanchao, Wei Zilong, Yang Fei(101)
Double Influence of Tech-Finance on Innovation Performance of High-tech Industry .....	Zhou Caiyun, Xiao Lian(110)
Laplacian Spectrum of Two Classes of Linear Crossed Polyomino Chains and its Applications .....	Tu Shuling, Wang Guangfu(119)