

# 城市交通

## Urban Transport of China

中国城市规划学会城市交通规划学术委员会会刊 中国科技核心期刊 RCCSE中国核心学术期刊  
中华人民共和国住房和城乡建设部 主管  
住房和城乡建设部城市交通工程技术中心 中国城市规划设计研究院 主办

### 市域快速轨道交通专题

社会-技术变迁视角下的可持续交通  
中国电动自行车交通事故析因及对策建议

ISSN 1672-5328



9 771672 532212

CN 11-5141/U  
邮发代号 80-175  
国内定价 25.00元

6  
2021

# 目次

期刊基本参数: CN 11-5141/U \* 2003 \* b \* A4 \* 136 \* zh \* P \* ¥25.00 \* 3000 \* 18 \* 2021-11

## 本刊特稿

- 01 社会-技术变迁视角下的可持续交通  
魏贺 汪光焘

## 市域快速轨道交通专题

- 07 促进市域快速轨道交通经济可持续发展  
李凤军
- 09 市域(郊)铁路的内涵、功能定位与重点问题  
秦国栋
- 15 对市域(郊)铁路规划实施的思考  
张杰 马魁
- 21 广州市域(郊)铁路规划建设实践  
徐士伟 叶树峰 莫琼 马小毅
- 29 市域轨道交通快线规划设计实践  
周勇 徐吉庆

## 规划设计

- 39 欠发达地区城市交通规划编制历程与演进特征  
——以四川省为例  
王超深 赵炜 冯田
- 46 从增量规模扩张到存量集约高效  
——新时期深圳干线道路网转型规划的思考与实践  
周军 邓琪
- 53 工程项目施工期精细化交通组织  
——以上海市为例  
朱浩

## 交通治理

- 64 中国电动自行车交通事故析因及对策建议  
朱新宇 褚昭明 朱建安 戴帅
- 71 交通视角下防御单元的适应性规划策略  
——基于突发公共卫生安全事件的思考  
周文竹 汪琦 王楠

## 出行服务

- 81 区域建成环境对共享单车日变特征的影响  
——以厦门市为例  
惠英 唐磊 解英堃 廖佳妹 施澄

## 理论方法

- 91 基于集计出行链的城市交通模型架构研究  
余世英 郑猛 向燕陵 刘恒 陈艳艳 雷焕宇
- 102 城市公共交通可达性评价方法研究  
——以珠海市为例  
樊嘉聪 高亿洋 吴昊

## 思辨与争鸣

- 107 城市综合交通规划的数字化转型  
——中国城市发展论坛第28次研讨会  
杨东援 郭继孚 顾煜 赵一新 张晓春 丁千峰 钱林波 邵丹 陈学武 周涛 白帆 崔扬 张宇 汪光焘
- 125 活力交通与空间营造专题会议观点集萃  
张永雄 付雷雨 刘鹏 王欣宜 王天奇 米名璇 石飞 严海 惠英 李健

## 读书

- 129 《公共事物的治理之道:集体行动制度的演进》解读  
冯苏苇 唐艺菲

## 信息集锦

- 132 国内瞭望  
134 海外扫描  
136-1 2021年总目次

## 别册

- 62 倡导绿色出行 促进生态文明  
——2021年绿色出行活动

## 彩页索引

- 广东省可持续交通工程技术研究中心(彩页1)  
上海市城乡建设和交通发展研究院(彩页2~3)  
重庆市交通规划研究院(彩页4~5)  
致谢(彩页6)  
欢迎订阅2022年《城市交通》(封三)



Beijing, China  
(Source of Picture: Shanghai Tuchong Network Technology Co., Ltd., China)

**Cover Picture:**

To the Winter Olympic Games 2022: Transportation Infrastructure Improvement and Innovation

Editor in chief	Wang Jingxia			
Associate Editor	Zhao Jie	Ma Lin	Yin Guangtao	Zhao Yixin
<b>Advisory Editorial Board</b>				
Quan Yongshen	Liu Guisheng	Li Xiaojiang	Yang Dongyuan	
Yang Peikun	Lu Ximing	Zhou Wei	Duan Liren	
Shi Zhongheng	Xia Qing			
<b>Editorial Board</b>				
Ma Xiaoyi	Wang Changjun	Wang Hao	Wang Wei	
Wang Xiaoming	Wang Xiaojing	Wang Dianhai	Kong Lingbin	
Ye Xiafei	Zhu Shunying	Ren Xifeng	Liu Qian	
Liu Binglian	Liu Xiaobo	Guan Hongzhi	Sun Yonghai	
Li Fengjun	Li Wei	Li Keping	Yang Xiaoguang	
Yang Tao	Wu Zixiao	Wang ming	Zhang Tianran	
Zhang Xiaodong	Zhang Xiaochun	Lu Huapu	Chen Xiaohong	
Chen Bizhuang	Chen Jun	Shao Chunfu	Lin Qun	
Yi Hanwen	Zhou Tao	Zhao Zhongshu	Rong Jian	
Yu Chunjun	Jiang Yang	He Chongming	Qin Guodong	
Qian Linbo	Xu Kangming	Guo Xiaobei	Gai Chunying	
Han Yin	Pei Yulong	Xiong Wen	Pan Haixiao	
Dai Shuai	Dai Jifeng	Wei He		

Executive editor in chief    Zhang Yu  
English language editor    Wang Chao    Bai Song    Li Xin

Administered by  
Ministry of Housing and Urban-Rural Development of the People's Republic of China (MOHURD)

Sponsored by  
Urban Transportation Center (UTC) of MOHURD  
China Academy of Urban Planning and Design (CAUPD)

Published by  
Press of Urban Transport of China at 9 Sanlihe Rd., Beijing  
100037, P.R. China  
Tel: 8610 5832 3221  
Fax: 8610 5832 3220  
E-mail: zyutc@263.net or csjt@vip.163.com  
http://www.chinautc.com  
http://csjt.cbpt.cnki.net (Submission)

Distributed by  
China International Book Trading Corporation  
P.O.Box. 399, Beijing 100044, P.R.China  
Tel: 8610 6841 3063  
Fax: 8610 6842 0340  
ISSN 1672-5328

# CONTENTS

Bimonthly Since 2003

Vol.19 No.6 (Tot. 105), November 2021

- 01 Feature**  
**Sustainable Transportation from the Perspective of Social- Technological Transition**  
*Wei He, Wang Guangtao*
- 07 Special Topics: Urban Rapid Rail Transit**  
**Promoting the Economic Sustainable Development of Urban Rapid Rail Transit**  
*Li Fengjun*
- 09 The Principle, Functional Orientation and Key Issues of Metropolitan Railway**  
*Qin Guodong*
- 15 Thoughts on Implementation of Metropolitan Railway Planning**  
*Zhang Jie, Ma Kui*
- 21 Metropolitan Railway Planning and Construction in Guangzhou**  
*Xu Shiwei, Ye Shufeng, Mo Qiong, Ma Xiaoyi*
- 29 Urban Express Rail Transit Planning and Design**  
*Zhou Yong, Xu Jiqing*
- 39 Planning and Design**  
**Process and Evolution of Urban Transportation Planning in Underdeveloped Areas: Taking Sichuan Province as an Example**  
*Wang Chaoshen, Zhao Wei, Feng Tian*
- 46 From Scale Expansion to Intensive and Efficient Development: Transformation of Shenzhen's Arterial Network Planning in the New Era**  
*Zhou Jun, Deng Qi*
- 53 Detailed Traffic Management on Construction Projects: A Case Study in Shanghai**  
*Zhu Hao*
- 64 Transportation Management**  
**Analysis and Countermeasures of Electric Bicycle Traffic Accident in China**  
*Zhu Xinyu, Chu Zhaoming, Zhu Jian'an, Dai Shuai*
- 71 Adaptive Planning Strategy of Defense Unit from Traffic Perspective: Thinking Based on Public Health Emergencies**  
*Zhou Wenzhu, Wang Qi, Wang Nan*
- 81 Travel Service**  
**Impact of Built Environment on Bike Sharing Diurnal Variation Characteristics: A Case Study in Xiamen**  
*Hui Ying, Tang Lei, Xie Yingkun, Liao Jiamei, Shi Cheng*
- 91 Theoretical Methods**  
**Aggregate Tour-Based Model Framework of Urban Transportation**  
*She Shiyang, Zheng Meng, Xiang Yanling, Liu Heng, Chen Yanyan, Lei Huanyu*
- 102 Evaluation of Urban Public Transportation Accessibility: Taking Zhuhai as an Example**  
*Fan Jiacong, Gao Yiyang, Wu Hao*
- 107 Thoughts, Ideas and Opinions**  
**Digital Transformation of Urban Comprehensive Transportation Planning: Highlight of the 28th Urban Transportation Development Forum in China**  
*Yang Dongyuan, Guo Jifu, Gu Yu, Zhao Yixin, Zhang Xiaochun, Ding Qianfeng, Qian Linbo, Shao Dan, Chen Xuewu, Zhou Tao, Bai Fan, Cui Yang, Zhang Yu, Wang Guangtao*
- 125 Highlights of the Active Transportation and Space Creation Forum**  
*Zhang Yongxiong, Fu Leiyu, Liu Peng, Wang Xinyi, Wang Tianqi, Mi Mingxuan, Shi Fei, Yan Hai, Hui Ying, Li Jian*