

全国中文核心期刊
RCCSE中国核心学术期刊(A)

1421
QK2247103 /49/U

铁道运输与经济

RAILWAY TRANSPORT AND ECONOMY

主管：中国国家铁路集团有限公司

主办：中国铁道科学研究院集团有限公司

中老铁路高质量发展专刊



ISSN 1003-1421



11 44卷
2022

万方数据

目次

■ 本刊特稿

- 做好中老铁路货运服务,为区域繁荣发展作出新贡献…………… 庄河 1
- 中老铁路高质量运营发展对策研究…………… 王耕捷 6
- 基于QFD方法的中老铁路货运产品设计方案研究…………… 陈沛 12
- 中老铁路运输一体化平台总体架构研究及国际化示范应用
…………… 马建军,谢鹏,王乔,许红,马志强 19
- 《国境铁路协定》研究…………… 崔艳萍 27

■ 旅客运输

- “一带一路”倡议下中老铁路磨万段客运产品设计探析…………… 邓爱元 32
- 中老铁路客票系统设计…………… 牛青坡,刘文韬,李天翼,张志强,李杨 38
- 中老铁路磨万段客票系统与国内铁路客票系统架构对比解析
…………… 李贝贝,范珂,苗凡,牛青坡,江琳 44
- 中老铁路客票系统互联互通分析与设计
…………… 高松,张志强,刘文韬,牛青坡,李天翼,周强 51
- 中老铁路席位管理系统设计与策略研究
…………… 卢元惠,王小卫,王元媛,江琳,孔庆玮 56
- 中老铁路旅客服务系统架构优化设计与应用…………… 吴兴华 64

■ 货物运输

- 中老铁路国际联运业务流程分析及优化策略…………… 马竞,代庆华 70
- 中老铁路国际联运货物运输优化对策探讨…………… 郑琬钰,何永兵 76
- 基于中国—中南半岛贸易特征的中老铁路货运增量目标市场评价…………… 李樱灿 82
- 中老铁路磨憨口岸站运输通行效率优化研究…………… 崔煜 89

■ 现代物流

- 基于RCEP的中老铁路跨境物流发展机遇研究 赵雁峰, 李继业 95
- 中老铁路国际物流大通道发展战略与重点任务研究
..... 周凌云, 于雪峤, 陈泽军, 贺 慰 100
- “一带一路”倡议下中老铁路跨境物流通道发展对策探讨..... 蒋诗云, 吴敬峰 106

■ 信息化与智能化

- 中老铁路国际联运数据互联互通方案设计研究..... 刘 洋, 刘昊旭, 王 军, 吴云云 112
- 中老铁路跨国运输组织模式创新与应用平台构建
..... 谢 鹏, 王 乔, 王瑞民, 张雅琴, 马志强 120
- 中国标准铁路信号系统在中老铁路磨万段应用的思考与探讨
..... 盛 凯, 张 涛, 刘文博, 苗长俊 127
- 适用中老铁路的计算机联锁系统技术研究..... 梁志国, 张志宇, 张 放, 李 安 132
- 基于作业管控的中老铁路CTC系统列调一体化设计研究
..... 秦 宁, 刘文博, 张芸鹏, 张海峰 138
- 中老铁路磨憨口岸站国际货物联运信息系统应用与展望..... 吴 晓 145
- 中老铁路磨万段CTC系统设计方案研究 林大鹏 151

■ 经营管理

- 中老铁路开通对带动云南沿边开发开放的思考..... 王杨堃, 秦 山 157
- 中老铁路磨万段施工计划与组织管理模式创新实践..... 迟英华, 张开智 163

■ 运输安全

- 中老铁路磨万段救援及热备能力布点研究
..... 马 勇, 赵永亮, 王文乾, 张 南, 金 冰 167

CONTENTS

SPECIAL PAPER

Optimize China–Laos Railway Freight Service and Make New Contributions to Regional Prosperity and Development	ZHUANG He	1
Research on High-Quality Development Strategy of China–Laos Railway	WANG Gengjie	6
Design Scheme of China–Laos Railway Freight Products Based on QFD Method	CHEN Pei	12
Research on Overall Architecture of Integrated Transportation Platform of China–Laos Railway and Its International Demonstration Application	MA Jianjun, XIE Peng, WANG Qiao, XU Hong, MA Zhiqiang	19
Research on <i>Cross-Border Railway Agreement</i>	CUI Yanping	27

PASSENGER TRAFFIC

Analysis on Design of Passenger Transport Products for China–Laos Railway under the “Belt and Road Initiative”	DENG Aiyuan	32
Design of Ticketing System for China–Laos Railway	NIU Qingpo, LIU Wentao, LI Tianyi, ZHANG Zhiqiang, Li Yang	38
Architecture Comparative Analysis of Boten–Vientiane Railway Ticketing System of China–Laos Railway and Domestic Railway Ticketing System	LI Beibei, FAN Ke, MIAO Fan, NIU Qingpo, JIANG Lin	44
Connectivity Analysis and Design of Ticketing Systems for China–Laos Railway	GAO Song, ZHANG Zhiqiang, LIU Wentao, NIU Qingpo, LI Tianyi, ZHOU Qiang	51
Design and Strategy Research on China–Laos Railway Ticket Management System	LU Yuanhui, WANG Xiaowei, WANG Yuanyuan, JIANG Lin, KONG Qingwei	56
Optimal Architecture Design and Application of Passenger Service System of China–Laos Railway	WU Xinghua	64

FREIGHT TRANSPORT

Business Process Analysis and Optimization Measures of International Intermodal Transport on China–Laos Railway	MA Jing, DAI Qinghua	70
Optimization Strategy of International Intermodal Cargo Transportation of China–Laos Railway	ZHENG Wanyu, HE Yongbing	76
Evaluation of China–Laos Railway Freight Incremental Target Market Based on China–Indochina Peninsula Trade Characteristics	LI Yingcan	82
Research on Optimization of Transport and Traffic Efficiency at Mohan Port of China–Laos Railway	CUI Yu	89

MODERN LOGISTICS

Research on Development Opportunities of Cross-Border Logistics on China–Laos Railway Based on RCEP	ZHAO Yanfeng, LI Jiye	95
Development Strategy and Key Tasks of International Logistics Channel of China–Laos Railway	ZHOU Lingyun, YU Xueqiao, CHEN Zejun, HE Wei	100
Development Countermeasures of Cross-Border Logistics of China–Laos International Railway Corridor under the “Belt and Road Initiative”	JIANG Shiyun, WU Jinghao	106

INTEGRATED TECHNOLOGY OF TRANSPORTATION

Research on Data Interconnection Scheme Design of International Intermodal Transport on China–Laos Railway	LIU Yang, LIU Haoxu, WANG Jun, WU Yunyun	112
Mode Innovation and Construction of Application Platform of the Transnational Transport Organization of China–Laos Railway	XIE Peng, WANG Qiao, WANG Ruimin, ZHANG Yaqin, MA Zhiqiang	120
Research on Application of Railway Signal System under Chinese Standards in Boten–Vientiane Section of China–Laos Railway	SHENG Kai, ZHANG Tao, LIU Wenbo, MIAO Changjun	127
Research on Technology of CBI Applicable to China–Laos Railway	LIANG Zhiguo, ZHANG Zhiyu, ZHANG Fang, LI An	132
Integrated Train Dispatching Design of China–Laos Railway CTC System Based on Operation Control	QIN Ning, LIU Wenbo, ZHANG Yunpeng, ZHANG Haifeng	138
Application and Prospect of Information System for International Intermodal Freight Transport at Mohan Port Station of China–Laos Railway	WU Xiao	145
CTC System Design Scheme for Boten–Vientiane Section of China–Laos Railway	LIN Dapeng	151

OPERATION AND MANAGEMENT

Thoughts on Opening of China–Laos Railway to Promote the Development and Opening up of Yunnan’s Border Areas	WANG Yangkun, QIN Shan	157
Innovative Practice of Construction Plan and Organization Management Mode of Boten–Vientiane Section for China–Laos Railway	CHI Yinghua, ZHANG Kaizhi	163

TRANSPORT SAFETY

Research on Distribution of Rescue and Hot Standby Capacities in Boten–Vientiane Section of China–Laos Railway	MA Yong, ZHAO Yongliang, WANG Wenqian, ZHANG Nan, JIN Bing	167
--	--	-----

