<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Design Method of Concrete Permeable Brick</td>
<td>1</td>
</tr>
<tr>
<td>Tusheng He, Xuguang Zhao, Sanyin Zhao, Zaibo Li, and Yunlong Lin</td>
<td></td>
</tr>
<tr>
<td>Simulation of Early Age Concrete Thermal Stress of Composite Wall in Cut-Cover Subway Station</td>
<td>7</td>
</tr>
<tr>
<td>Peixin Wang and Shunhua Zhou</td>
<td></td>
</tr>
<tr>
<td>Paramics-Based Microscopic Simulation Evaluation for Urban Traffic Signal Two-Stage Controller</td>
<td>14</td>
</tr>
<tr>
<td>Wenchen Yang, Lun Zhang, Zhaocheng He, and Qian Rao</td>
<td></td>
</tr>
<tr>
<td>Wenchen Yang, Lun Zhang, Lei Zhang, and Hongyun Shi</td>
<td></td>
</tr>
<tr>
<td>A Data Interlocking Method for the ATS System</td>
<td>30</td>
</tr>
<tr>
<td>Wudong Yang, Jin Guo, and Rongwu Chen</td>
<td></td>
</tr>
<tr>
<td>Effect of the Establishment of Xiamen Southeast International Shipping Center on the West-Strait Economic Zone</td>
<td>35</td>
</tr>
<tr>
<td>Yao Li</td>
<td></td>
</tr>
<tr>
<td>Very Large Vessels into River Navigable Environment Analysis and Security Control Methods Research</td>
<td>44</td>
</tr>
<tr>
<td>Yuan Liu, Zheping Shao, Wen Qin, and Xianxin Huang</td>
<td></td>
</tr>
<tr>
<td>Discussion of Transport Operation Mode of Cheng-Mian-Le Inter-City Railway</td>
<td>52</td>
</tr>
<tr>
<td>Cheng Huang, Shan He, and Qiancheng Qiu</td>
<td></td>
</tr>
<tr>
<td>Railway Empty Container Allocation Problem Analysis and Optimization</td>
<td>59</td>
</tr>
<tr>
<td>Changlong He</td>
<td></td>
</tr>
<tr>
<td>Unbalanced Supply and Demand of Supply Chain in Logistics</td>
<td>65</td>
</tr>
<tr>
<td>Lun Ai</td>
<td></td>
</tr>
<tr>
<td>Characteristics of Super-Long Pile-Bearing Vertical and Horizontal Loads</td>
<td>71</td>
</tr>
<tr>
<td>LiJun Zhou, Ziai Lu, and Siqiang Li</td>
<td></td>
</tr>
<tr>
<td>Simulation Design of Composites Containerization Tray</td>
<td>79</td>
</tr>
<tr>
<td>Chunwei Chang, Haichao Li, Xiaorong Yang, Hongtao Shao, and Yanping Zhang</td>
<td></td>
</tr>
<tr>
<td>Analysis of Retroreflection Coefficient Influenced by Vehicle</td>
<td>89</td>
</tr>
</tbody>
</table>
Headlamps
Yong Yang, Chuanzheng Zhu, Juan Ren, and Yao Wang

Effect Analysis on Vibration Isolation by Non-Standard Continuous Barriers
Kun Luo and Xiaoyan Lei

Railway Locomotive Signal Detection Method Research
Bin Huang

Road Traffic Safety Prediction Based on Improved SVM
Jie Yang and Junbo Zhao

Local Scour of a Large-Size Steel Cofferdam in a Strong Tide Area
Zhongwen Wang, Lixin Tan, Chaoyun Luo, and Xin Liu

Vehicle Trajectory Observation Based on Traffic Video Provided by Radio-Controlled Model Aircraft
Shanwen Liu, Yunzhuang Zheng, Hongfei Luo, Songyao Duan, and Hao Wang

Left-Turning Conflict Delay Models under Straight Line Priority
Genghua Ma, Shukang Zheng, Degang Lin, and Changjiang Zheng

Fuzzy Rough Set Model of Rail Freight Center Location
Guangsheng Zhang and Xiaomin Shi

A Prediction Method of Freight Volume Based on Residuals Improved GM (1,1) Model
Changwei Yuan, Wenxin Lin, and Ping Jiao

Analysis of Complex Human-Machine System Reliability Metrics
Zongping Li, Xuan Wang, and Yi Ai

Effect of Prolonging Service Life of Asphalt Pavement by Wheel Tracks' Transverse Intervention
Ming Xu and Xiaodong Pan

Damaged Mechanism and Reinforcement Analysis of Concrete Bridge Deck in Blizzard Conditions
Junxia Zhou and Bin Zhang

Calculation Method of Deformation and Inner Force of a Sheet Pile Wall with Relieving Platform
Yunlong Hu, Guonan Liu, and Youming Zhao

Curve Widening of Two-Lane Two-Way Road: A Case Study of a Mountainous Two-Lane Road in Southwestern China
Hua Chai

Comparative Analysis of Two Simulations on Mixed Traffic Flow of Conventional Passenger Cars and Micro-Cars
Rui Mu and Toshiyuki Yamamoto
Optimization for the Last Train Timetable of Urban Rail Transit Networks Based on Transfer Coordination
Xuan Li and Yang Shi

Driver Factors Analysis of Rear-End Accidents at Signalized Intersections
Guopeng Zhang, Liuyang Sun, Jianlin Lou, Shiwei Xu, and Xinguo Jiang

Dynamic Reliability of an Underground Structure Based on the JC Method
Xi Zuo, Guoxing Chen, and Dingfeng Zhao

Network Layout Method of a Helicopter Rescue on the Highway
Qiong Shi, Xiaonian Sun, and Tai Wang

Evaluation of Traffic Law Enforcement Officers’ Microenvironment
Meng Zhang, Liyan Qin, and Liang Ding

Coordinated Optimization of Wagon Calculating and Taking-Out and Placing-In Wagons Applying Bi-Level Programming Model
Zhengbin Wang, Jingdong Sun, Lihua Wang, and Kangli Zheng

Construction Design and Selection of Tunnel Boring Machine for Shallow-Buried and High-Weathered Soft Rock
Zhijun Zhang, Lijun Su, Dunke Chen, and Xuexian Zhu

SMA Anti-Crack Performance at Low Temperatures
Debao Lv, Xiaoming Huang, and Changlu Guan

Forecasting the Demand of Electric Vehicles Ownership and Usage in the Chukyo Region of Japan
Jia Yang, Tomio Miwa, Takayuki Morikawa, and Toshiyuki Yamamoto

Using Power Penalty Method in a Simple Decomposition Algorithm for the Asymmetric Traffic Assignment Problem
Ming Chen and Chongchao Huang

Dynamics Analysis of High-Speed Electric Multiple Unit Considering Flexibility of Wheelset
Baoan Zhang and Zhenggang Lu

Fuzzy Chance-Constrained Programming for Passenger Train Operation Plans
Dingjun Chen, Shaoquan Ni, Lulu Ge, and Tao Zhang

Integrated Pre-Evaluation Method of Highway Safety Based on Continental Distance Model with Varying Weight
Xinglin Zhu

Various Degrees of Mental Workload and Its Effect on Driver Reaction Time
Jianjun Shi and Shengqiong Shi

Arterial Transit Signal Priority in Metropolis of China
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooperative Models of Traffic Control with Dynamic Traffic Assignment Based on Simulation</td>
<td>295</td>
</tr>
<tr>
<td>Jie Cao and Guangsong Liu</td>
<td></td>
</tr>
<tr>
<td>Distribution Model of Urban Bus Travel Time with Bus Lane</td>
<td>302</td>
</tr>
<tr>
<td>Yong Wu, Jianping Xing, Xiaoyan Lu, and Shaoteng Shi</td>
<td></td>
</tr>
<tr>
<td>Fuzzy Optimization Design of EMU-Welded Bogie Frame</td>
<td>309</td>
</tr>
<tr>
<td>Guangzhong Hu, Min Zhang, Shoune Xiao, and Zhongbin Liu</td>
<td></td>
</tr>
<tr>
<td>Dynamic Simulation Analysis of Impacts on Driving Comfort of Ballastless Track in Different Rail Pads</td>
<td>316</td>
</tr>
<tr>
<td>Zhangbo Wan, Kang Hong, Yuzhen Duan, and Rongshan Yang</td>
<td></td>
</tr>
<tr>
<td>Risk-Control Factors for Transportation Financing in an Economic Recession—Case Study</td>
<td>325</td>
</tr>
<tr>
<td>Shuangjie You and Zhiming Tan</td>
<td></td>
</tr>
<tr>
<td>Analysis and Countermeasures of Chinese Hub Airport Construction</td>
<td>331</td>
</tr>
<tr>
<td>Wei Wang and Zhenjun Lei</td>
<td></td>
</tr>
<tr>
<td>Equipment Layout and Optimization of Railway Container Central Station</td>
<td>337</td>
</tr>
<tr>
<td>Shaoquan Ni and Changqing Shi</td>
<td></td>
</tr>
<tr>
<td>Catastrophe Theory in the Analysis of a Railway Transportation Accident</td>
<td>344</td>
</tr>
<tr>
<td>Liping Feng and Xinzhu Zhang</td>
<td></td>
</tr>
<tr>
<td>Influence of Salt Freezing on Asphalt Mortar’s Stiffness Modulus</td>
<td>350</td>
</tr>
<tr>
<td>Le Wang, Yanan Cui, Zhenzheng Liu, and Wenbin Huang</td>
<td></td>
</tr>
<tr>
<td>Impacts of Access Density on Traffic Capacity of Arterial Roads</td>
<td>359</td>
</tr>
<tr>
<td>Xiaonan Cai, Linjun Lu, Jian John Lu, Wenwen Lin, and Pengjue Yang</td>
<td></td>
</tr>
<tr>
<td>A Prediction Model of the Mixed Traffic Flow on the Swallowtail Catastrophe Theory</td>
<td>365</td>
</tr>
<tr>
<td>Ji Hu, Yan Liu, and Wanxin Hu</td>
<td></td>
</tr>
<tr>
<td>Model Building of Integrated Military Logistics Supply Chain</td>
<td>371</td>
</tr>
<tr>
<td>Zhiping Gong, Xiaosong Yang, Shuo Wang, and Yangqi Zhang</td>
<td></td>
</tr>
<tr>
<td>A Case Study of Cooperative Transport in Reverse Logistics for Efficient Material Recycling in Japan</td>
<td>379</td>
</tr>
<tr>
<td>Yiping Le and Jongjin Yoon</td>
<td></td>
</tr>
<tr>
<td>Traffic Safety Comprehensive Evaluation of Long Downhill Section</td>
<td>386</td>
</tr>
<tr>
<td>Yulan Wang and Chao Li</td>
<td></td>
</tr>
<tr>
<td>Crowd Evacuation Simulation of Single-Floor Building Based</td>
<td>392</td>
</tr>
</tbody>
</table>
on Multi-Mode Evacuation Ways
    Shuang Liu, Chao Lv, and Jia Guo

Vibration Analysis for Ballastless Track Bridge Based on a Hybrid Method
    Wenjun Luo

Evaluation of Rural Passenger Transportation Services with Bus Operation Mode in a Metropolitan Area
    Lichao Guo, Xiucheng Guo, and Xiaohong Jiang

Expressway Electro-Mechanical Equipment Maintenance Management System Functional Research Based on B/S
    Hongke Xu, Yong Pan, Qi Wang, Yanyan Qin, and Peichao Dong

A New Hybrid Meta-Heuristic Algorithm to Resolve Unpaired VRPPD
    Zaifeng Fu, Yahong Zheng, Lian Lian, Yang Tian, and Yang Xu

An Approach to Bus Network Design Problems by Genetic Algorithm
    Minghua Huang and Kang Liu

Development Strategies of Container Trains Based on the Wuhan–Guangzhou High-Speed Railway
    Lingyan Li and Wuruo Li

Effect of Shoulder Cracks on Shoulder’s Mechanical Behavior for CRTS III Slab Track
    Heshan Huang, Juanjuan Ren, Sifang Zhang, and Zheng Yang

Analysis of Train Interference Test
    Qian Zhang, Yan Xuan, Lan Wang, Xing Fang, and Hongmei Li

Evaluation Research of High Speed Train Diagrams
    Jingjing Bao and Liping Feng

System Architecture of Security and Emergency Management System for Chinese Railway Transportation
    Ping Li

Enterprise Optimal Supply Strategy Research When Put into Technology under the Carbon Tax
    Changsong Ma, Yinfeng Du, Qiao Deng, and Kuilan Xiong

Has Western Transport Improvement Promoted Economic Growth in China’s Sichuan Ethnic Area? Evidence from Statistical Yearbook Data from 2000 to 2010
    Zhongxing Cheng

Crashworthiness-Enhancing Technique for W-Beam Barriers
    Manjuan Yang and Hongsong Zhang

Optimization of Railway Empty Container Transportation
    Yinghong Li and Shuangyang Liu
Simulation System Development for Train Reception and Departure of Semi-Automatic Single-Track
Yinghong Li and Rujun Yang

Motivation Analysis of the Logistics Network Formation by Using ISM Model Product Features
Zheng Hu and Xunsheng Feng

Cushion-Blasting Study That Improves Rock Slope Stability at Large Extent about Rock Excavation with Explosion
Xu Cheng, Bingxu Zheng, Xuguang Wang, He Chen, Yongqiang Liu, and Huaming An

Traffic Accidents’ Distribution in the Highway Tunnels of Mountainous Areas and Preventive Measures
Wei Guo, Xiaodong Pan, Qi Deng, and Zhibin Fu

Priority Signal Control Methods of Auxiliary Road on Urban Expressway Off-Ramp
Yangsheng Jiang and Nana Guan

Highway Deceleration Marking Based on Driving Simulation
Zhihui Tang, Shu Zhao, and Jianghong Wang

Analysis of Motor Vehicle Exhaust Emissions Based on COPERT Model
Fenghaoyue Yu, Lei Yao, and Haiyan Liao

Comparative Analysis on Space Utilization under the Viaduct of Domestic and Foreign Urban Rail Transit
Bencheng Zhu

Financial Subsidy Calculating Model of Park-and-Ride for Urban Rail Transit in Beijing
Chuanfeng Wan, Shaoman Liu, and Rifei Li

Supplier Selection Based on Matter Element Analysis
Lei Xiao and Xiang Li

Freeway Work Zone Rear-End Conflict Study Based on Two Traffic Conflict Indicators
Libo Gao, Xianghai Meng, and Hanqing Xu

Reliability Evaluation Study about Road Networks in High-Intensity Earthquake Zones
Cailliang Jiang, Mingwen Wang, and Weiqing Zheng

Assessment Model for Highway Landscape Maintenance Based on Analytic Hierarchy Process
Ronghua Wang and Zigeng Wang

On the Features of Operation in Lhasa Station on Tibetan Traditional Festivals
Gang Cheng and Zong Wang

Self-Loosening of Anchor-Type Bolts of Fastenings on Railway
Ruiying Chen, Xiaojun Mao, Yude Xu, and Yu Zhou

**Planning of BRT-Exclusive Lane and Analysis of Passenger Capacity**
Hao Yu and Qiuxiang Chen

**Forecast of Container Throughput for Lianyungang Harbor**
Lin Li

**Traffic Safety Study Based on Harmony (HeXie) Theory**
Tianya Zhang and Limin Ding

**Application of Queuing Theory in Highway Toll Station Design**
Qiu Yan, Wentong Zhu, and Yuyang Zhang

**Evaluation of Regional Transportation Industry Competitiveness in China**
Ming Li and Lijing Ma

**Entrepreneurial Trait of Cultivation of Undergraduates of Transportation Major**
Yongmei Liu and Tingying Ju

**Thoughts on the Acceleration of the Development of Railway Double-Layer Container Transport in China**
Tingting Zhu

A. Limane Habtamu, Pingrui Zhao, and Juanjuan Ren

**Mechanism and Effects of Reinforcement of Embankment of High Speed Railway in Operation**
Jiang Wang, Binglong Wang, and Longcai Yang

**High-Level Innovative Talent Training for High-Speed Railway Systems**
Tingying Ju

**An Approach to Optimize Urban Logistics Nodes Scale Based on Streamline Optimization Model**
Kun Wang, Min Mao, and Yongtao Peng

**Considerations on the Construction of the Logistics Park Planning System in China**
Ling Liu, Cailiang Jiang, Shuzhen Feng, and Min Fan

**Discussion of Container Rail-Water Intermodal Transport Documents Process**
Xueting Li, Ke Cao, and He Ma

**Development of Automotive Industry under the TOD Mode in China**
Yedong Xu and Daben Yu
Computation of Ships' Holding Power of Anchoring and Safety Analysis
Jianjun Weng, Yang Zhou, and Caixing Wang

Scheme Selection of Urban and Rural Public Transportation Network Planning
Xiang Li and Lei Xiao

Framework of Security for the Railway Intelligent Transportation System
Bin Bo, Ke Cao, and Xiaobo Cai

Analysis of Incidents on Emergency Escape Ramps and Legal Risk Aversion
Jianjun Zhang and Gaoqiang Zhang

Optimization of Multi-Mode Bus Stopping Based on Comprehensive Cost
Lei Shu, Jun Chen, Xiaofei Ye, Xingchen Yan, and Baohong He

Slot Equilibrium Allocation Algorithm Based on Airspace Status
Lijuan Peng, Donglei Wang, and Junran Zhang

Dynamic Stress Transfer Rules in Subgrades of Tramcar
Zhiyuan Wang, Laijun Liu, and Hong Zhang

Passenger Flow Analysis Based on AFC Data of Shanghai Urban Rail Transit in People's Square Station
Hao Dong and Jianming Ye

Railway Station Yard Model and the Model Data Structure Analysis
Gongyuan Lu, Kui Yang, Lei Xiao, and Ruiwei Chen

Simulation and Optimization of the Ticket Vending Machine Configuration in a Metro Station Based on the Anylogic Software
Yangsheng Jiang and Xi Lin

Section-Metered Pricing Method of the Subway in Beijing
Xuguang Tao

High-Speed Railways' Guiding Role in Urban Development
Ling Luo

Selection of Railway-Water Intermodal Transportation Port Station Handling Machinery
Bingyang Chen, Hongxia Lv, and Zhufan Liu

Optimal Path Algorithm in Dynamic Traffic Network Research
Shaoquan Ni, Daben Yu, and Aiwen Cheng

Measures of Loading and Securing Steel Coils in Containers in Rail-Water Combined Transport
Hongxia Lv, Yushuang Zhou, and Zhengjiang Yang