Xiang Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4477917/publications.pdf Version: 2024-02-01



XIANC LIU

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Artificial intelligence-aided railroad trespassing detection and data analytics: Methodology and a case study. Accident Analysis and Prevention, 2022, 168, 106594. | 5.7 | 13 |
| 2 | An Empirical analysis of freight train derailment rates for unit trains and manifest trains. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2022, 236, 1168-1178. | 2.0 | 5 |
| 3 | Analysis of human-factor-caused freight train accidents in the United States. Journal of Transportation Safety and Security, 2021, 13, 1157-1186. | 1.6 | 7 |
| 4 | Quantifying Recent Trends in Class 1 Freight Railroad Train Length and Weight by Train Type. Transportation Research Record, 2021, 2675, 890-903. | 1.9 | 8 |
| 5 | Statistical Analysis of Seasonal Effect on Freight Train Derailments. Journal of Transportation Engineering Part A: Systems, 2021, 147, 04021073. | 1.4 | 2 |
| 6 | Safety risk analysis of restricted-speed train accidents in the United States. Journal of Risk Research, 2020, 23, 1158-1176. | 2.6 | 9 |
| 7 | Prevention of End-of-Track Collisions in Passenger Terminals via Positive Train Control: Benefit-Cost Analysis and Operational Impact Assessment. Transportation Research Record, 2020, 2674, 16-28. | 1.9 | 1 |
| 8 | Applications of Ultra-Wideband in Future Guideway Transportation Industry: Position Paper for North America Rail Context. , 2020, , . | | 0 |
| 9 | ASSESSING THE VISIBILITY OF RAISED PAVEMENT MARKERS AND ALTERNATIVE FORMS OF DELINEATION. Transport, 2020, 35, 98-107. | 1.2 | 0 |
| 10 | Prevention of End-of-Track Collisions at Passenger Terminals via Positive Train Control. Transportation Research Record, 2019, 2673, 471-479. | 1.9 | 2 |
| 11 | Artificial Intelligence-Aided Automated Detection of Railroad Trespassing. Transportation Research Record, 2019, 2673, 25-37. | 1.9 | 20 |
| 12 | Adaptive Optimization of Multi-Hop Communication Protocol for Linear Wireless Monitoring Networks on High-Speed Railways. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2313-2327. | 8.0 | 9 |
| 13 | The Nicaragua Canal: potential impact on international shipping and its attendant challenges. Maritime Economics and Logistics, 2019, 21, 79-98. | 4.0 | 4 |
| 14 | An Optimal Communications Protocol for Maximizing Lifetime of Railway Infrastructure Wireless Monitoring Network. IEEE Transactions on Industrial Informatics, 2018, 14, 3347-3357. | 11.3 | 27 |
| 15 | Optimal Collision-Avoidance Manoeuvres to Minimise Bunker Consumption under the Two-Ship Crossing Situation. Journal of Navigation, 2018, 71, 151-168. | 1.7 | 19 |
| 16 | Modeling of track geometry degradation and decisions on safety and maintenance: A literature review and possible future research directions. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 1385-1397. | 2.0 | 32 |
| 17 | Freight Railroad Network Blocking Problem: Modeling, Formulation and Improved Particle Swarm optimization Algorithm. , 2018, , . | | 0 |
| 18 | Accident-Cause-Specific Risk Analysis of Rail Transport of Hazardous Materials. Transportation Research Record, 2018, 2672, 176-187. | 1.9 | 15 |

XIANG LIU

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Video Analytics for Railroad Safety Research: An Artificial Intelligence Approach. Transportation Research Record, 2018, 2672, 269-277. | 1.9 | 15 |
| 20 | Governance of Shipping Emission of SO <i>_x</i> in China's Coastal Waters: The SECA Policy, Challenges, and Directions. Coastal Management, 2018, 46, 191-209. | 2.0 | 29 |
| 21 | Statistical Causal Analysis of Freight-Train Derailments in the United States. Journal of Transportation Engineering Part A: Systems, 2017, 143, . | 1.4 | 16 |
| 22 | Optimal Bilateral Cooperative Slot Allocation for Two Liner Carriers under a Co-Chartering Agreement. Journal of Navigation, 2017, 70, 1170-1182. | 1.7 | 15 |
| 23 | Integrated Train Timetabling and Rolling Stock Scheduling Model Based on Timeâ€Dependent Demand for Urban Rail Transit. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 856-873. | 9.8 | 61 |
| 24 | Analysis of multiple tank car releases in train accidents. Accident Analysis and Prevention, 2017, 107, 164-172. | 5.7 | 9 |
| 25 | Freight-train derailment rates for railroad safety and risk analysis. Accident Analysis and Prevention, 2017, 98, 1-9. | 5.7 | 51 |
| 26 | Risk Comparison of Transporting Hazardous Materials in Unit Trains versus Mixed Trains. Transportation Research Record, 2017, 2608, 134-142. | 1.9 | 7 |
| 27 | Statistical Temporal Analysis of Freight Train Derailment Rates in the United States. Transportation Research Record, 2015, 2476, 119-125. | 1.9 | 34 |
| 28 | Analysis of railroad tank car releases using a generalized binomial model. Accident Analysis and Prevention, 2015, 84, 20-26. | 5.7 | 10 |
| 29 | Analysis of U.S. freight-train derailment severity using zero-truncated negative binomial regression and quantile regression. Accident Analysis and Prevention, 2013, 59, 87-93. | 5.7 | 82 |
| 30 | Analysis of Causes of Major Train Derailment and Their Effect on Accident Rates. Transportation Research Record, 2012, 2289, 154-163. | 1.9 | 190 |