

C Tyler Dick

List of Publications by Year in descending order

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papers

173
citations

1162889
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all docs

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docs citations

23
times ranked

82
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Derailment Rate Comparison of Unit Trains at Transload Terminals and Manifest Trains at Railroad Switching and Hump Classification Yards. Transportation Research Record, 2023, 2677, 311-325.	1.0	5
2	Comparing the Efficiency and Effectiveness of Different Train-Following Control Algorithms for Fleets of Heavy-Haul Freight Trains under Moving Blocks. Transportation Research Record, 2023, 2677, 446-459.	1.0	2
3	Effects of Hazmat Train Speed Restrictions on Train Delay Performance and Railroad Line Capacity: Comparative Study with Two Railway Simulation Tools. Transportation Research Record, 2022, 2676, 131-141.	1.0	0
4	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.	1.3	5
5	Balancing the Service Benefits and Mainline Delay Disbenefits of Operating Shorter Freight Trains. Transportation Research Record, 2021, 2675, 303-316.	1.0	1
6	Precision Scheduled Railroading and the Need for Improved Estimates of Yard Capacity and Performance Considering Traffic Complexity. Transportation Research Record, 2021, 2675, 411-424.	1.0	6
7	Quantifying the Relative Influence of Railway Hump Classification Yard Performance Factors. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	2
8	Quantifying Recent Trends in Class 1 Freight Railroad Train Length and Weight by Train Type. Transportation Research Record, 2021, 2675, 890-903.	1.0	8
9	Influence of mainline schedule flexibility and volume variability on railway classification yard performance. Journal of Rail Transport Planning and Management, 2021, 20, 100269.	0.8	2
10	Potential for Moving Blocks and Train Fleets to Enable Faster Train Meets on Single-Track Rail Corridors. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	5
11	Improving Railway Operational Efficiency with Moving Blocks, Train Fleeting, and Alternative Single-Track Configurations. Transportation Research Record, 2020, 2674, 146-157.	1.0	12
12	STEM K-12 Outreach as the Root of Transportation Education: Experiences from the Railway Engineering Field. Transportation Research Record, 2019, 2673, 558-569.	1.0	3
13	Relative Capacity and Performance of Fixed- and Moving-Block Control Systems on North American Freight Railway Lines and Shared Passenger Corridors. Transportation Research Record, 2019, 2673, 250-261.	1.0	13
14	Relative train length and the infrastructure required to mitigate delays from operating combinations of normal and over-length freight trains on single-track railway lines in North America. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 731-742.	1.3	8
15	Transitioning from flexible to structured heavy haul operations to expand the capacity of single-track shared corridors in North America. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 629-639.	1.3	9
16	Risk-Based Optimization of Rail Defect Inspection Frequency for Petroleum Crude Oil Transportation. Transportation Research Record, 2016, 2545, 27-35.	1.0	13
17	Analyzing the transition from single- to double-track railway lines with nonlinear regression analysis. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 1877-1889.	1.3	9
18	Operational Schedule Flexibility and Infrastructure Investment: Capacity Trade-Off on Single-Track Railways. Transportation Research Record, 2016, 2546, 1-8.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Sensitivity of Freight and Passenger Rail Fuel Efficiency to Infrastructure, Equipment, and Operating Factors. Transportation Research Record, 2015, 2476, 59-66.	1.0	4
20	Capacity of Single-Track Railway Lines with Short Sidings to Support Operation of Long Freight Trains. Transportation Research Record, 2015, 2475, 95-101.	1.0	6
21	Cost and Delay of Railroad Timber and Concrete Crosstie Maintenance and Replacement. Transportation Research Record, 2015, 2476, 37-44.	1.0	12
22	Impact of Passenger Train Capacity and Level of Service on Shared Rail Corridors with Multiple Types of Freight Trains. Transportation Research Record, 2015, 2475, 63-71.	1.0	15
23	Comparison of Capacity of Single- and Double-Track Rail Lines. Transportation Research Record, 2013, 2374, 111-118.	1.0	23