

# C Tyler Dick

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3605720/publications.pdf>

Version: 2024-02-01

23  
papers

173  
citations

1162889

8  
h-index

1199470

12  
g-index

23  
all docs

23  
docs citations

23  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Capacity of Single- and Double-Track Rail Lines. Transportation Research Record, 2013, 2374, 111-118.	1.0	23
2	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
3	Risk-Based Optimization of Rail Defect Inspection Frequency for Petroleum Crude Oil Transportation. Transportation Research Record, 2016, 2545, 27-35.	1.0	13
4	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
5	Cost and Delay of Railroad Timber and Concrete Crosstie Maintenance and Replacement. Transportation Research Record, 2015, 2476, 37-44.	1.0	12
6	Improving Railway Operational Efficiency with Moving Blocks, Train Fleeting, and Alternative Single-Track Configurations. Transportation Research Record, 2020, 2674, 146-157.	1.0	12
7	Operational Schedule Flexibility and Infrastructure Investment: Capacity Trade-Off on Single-Track Railways. Transportation Research Record, 2016, 2546, 1-8.	1.0	10
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Sensitivity of Freight and Passenger Rail Fuel Efficiency to Infrastructure, Equipment, and Operating Factors. Transportation Research Record, 2015, 2476, 59-66.	1.0	4
18	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

#	ARTICLE	IF	CITATIONS
19	Quantifying the Relative Influence of Railway Hump Classification Yard Performance Factors. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	2
20	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
21	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
22	Balancing the Service Benefits and Mainline Delay Disbenefits of Operating Shorter Freight Trains. Transportation Research Record, 2021, 2675, 303-316.	1.0	1
23	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