Alireza Roghani

List of Publications by Year
in descending order

10 papers	58 citations	1937685 4 h-index	1872680 6 g-index
10 all docs	10 docs citations	10 times ranked	49 citing authors

#	Article	IF	Citations
1	Quantifying the Impact of Subgrade Stiffness on Track Quality and the Development of Geometry Defects. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	1.4	16
2	Continuous Vertical Track Deflection Measurements to Map Subgrade Condition along a Railway Line: Methodology and Case Studies. Journal of Transportation Engineering, 2016, 142, .	0.9	13
3	Evaluating the potential of a rolling deflection measurement system to estimate track modulus. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 14-24.	2.0	10
4	Quantifying the effect of freeze-thaw cycles on track surface deformation and degradation of railway track geometry; Case study. Transportation Geotechnics, 2021, 30, 100601.	4.5	7
5	Combining Track Quality and Performance Measures to Assess Track Maintenance Requirements. , 2015, , .		5
6	Quantifying the Effectiveness of Methods Used to Improve Railway Track Performance over Soft Subgrades: Methodology and Case Study. Journal of Transportation Engineering Part A: Systems, 2017, 143, 04017043.	1.4	4
7	Use of measured accelerations from a passenger rail car to evaluate ride quality and track roughness â€“ A case study. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 0, , 095440972110414.	2.0	1
8	Evaluating Rail Surface Roughness from Axle-Box Acceleration Measurements: Computational Metrology Approach. Journal of Transportation Engineering Part A: Systems, 2021, 147, 04021087.	1.4	1
9	Evaluating Passenger Railway Ride Quality Over Long Distances Using Smartphones. , 2020, , .		1
10	Procedure for combining ï¬eld measurements and machine learning to quantify impact of different track parameters on ride quality of railway tracks. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 0, , 095440972110026.	2.0	0