

# Matteo Magelli

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

169  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

69  
citing authors

#	ARTICLE	IF	CITATIONS
1	Freight train air brake models. International Journal of Rail Transportation, 2023, 11, 1-49.	2.7	52
2	The influence of resistant force equations and coupling system on long train dynamics simulations. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2022, 236, 35-47.	2.0	9
3	Development of a 2D finite element model for the investigation of the tread braked railway wheels thermo-mechanical behaviour. IOP Conference Series: Materials Science and Engineering, 2022, 1214, 012041.	0.6	1
4	Development and validation of a new code for longitudinal train dynamics simulation. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 286-299.	2.0	16
5	Application of low-power energy harvesting solutions in the railway field: a review. Vehicle System Dynamics, 2021, 59, 841-871.	3.7	36
6	Investigation of adhesion recovery phenomenon using a scaled roller-rig. Vehicle System Dynamics, 2021, 59, 295-312.	3.7	16
7	Study of Adhesion Recovery phenomenon using a Multi-axle Roller-rig. IOP Conference Series: Materials Science and Engineering, 2021, 1038, 012001.	0.6	1
8	Feasibility study of a diesel-powered hybrid DMU. Railway Engineering Science, 2021, 29, 271-284.	4.4	3
9	LONG TRAIN DYNAMIC SIMULATION BY MEANS OF A NEW IN-HOUSE CODE. , 2020, , .		6
10	VALIDATION OF A BRAKE MONITORING SYSTEM USING A MULTI-AXLE ROLLER-RIG. WIT Transactions on the Built Environment, 2020, , .	0.0	1
11	Experimental Setup of an Innovative Multi-Axle Roller Rig for the Investigation of the Adhesion Recovery Phenomenon. Experimental Techniques, 2019, 43, 695-706.	1.5	12
12	Study of wheel-rail adhesion during braking maneuvers. Procedia Structural Integrity, 2019, 24, 680-691.	0.8	16