

Esteban Bernal Arango

List of Publications by Year in descending order

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papers

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docs citations

9
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179
citing authors

#	ARTICLE	IF	CITATIONS
1	Onboard Condition Monitoring Sensors, Systems and Techniques for Freight Railway Vehicles: A Review. IEEE Sensors Journal, 2019, 19, 4-24.	4.7	114
2	Dynamic response feature of electromechanical coupled drive subsystem in a locomotive excited by wheel flat. Engineering Failure Analysis, 2021, 122, 105248.	4.0	28
3	Prediction of rail surface damage in locomotive traction operations using laboratory-field measured and calibrated data. Engineering Failure Analysis, 2022, 135, 106165.	4.0	22
4	Problems, assumptions and solutions in locomotive design, traction and operational studies. Railway Engineering Science, 2022, 30, 265-288.	4.4	21
5	Wheel flat detectability for Y25 railway freight wagon using vehicle component acceleration signals. Vehicle System Dynamics, 2020, 58, 1893-1913.	3.7	17
6	Wheel flat analogue fault detector verification study under dynamic testing conditions using a scaled bogie test rig. International Journal of Rail Transportation, 2022, 10, 177-194.	2.7	9
7	Partial-profilogram reconstruction method to measure the geometric parameters of wheels in dynamic condition. Vehicle System Dynamics, 2016, 54, 606-616.	3.7	8
8	Ultra-Low Power Sensor Node for On-Board Railway Wagon Monitoring. IEEE Sensors Journal, 2020, 20, 15185-15192.	4.7	8
9	Adaptive simulation and integration method for wheel-rail contact problems in locomotive traction studies. Vehicle System Dynamics, 2022, 60, 4206-4225.	3.7	2