

Esteban Bernal Arango

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

229
citations

1307594
7
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

179
citing authors

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