

Antonio Andrade

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

561
citations

687363

13
h-index

642732

23
g-index

35
all docs

35
docs citations

35
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical modelling of railway track geometry degradation using Hierarchical Bayesian models. Reliability Engineering and System Safety, 2015, 142, 169-183.	8.9	72
2	A Bayesian model to assess rail track geometry degradation through its life-cycle. Research in Transportation Economics, 2012, 36, 1-8.	4.1	63
3	Uncertainty in Rail-Track Geometry Degradation: Lisbon-Oporto Line Case Study. Journal of Transportation Engineering, 2011, 137, 193-200.	0.9	57
4	Biobjective Optimization Model for Maintenance and Renewal Decisions Related to Rail Track Geometry. Transportation Research Record, 2011, 2261, 163-170.	1.9	51
5	Hierarchical Bayesian modelling of rail track geometry degradation. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 364-375.	2.0	45
6	The role of track stiffness and its spatial variability on long-term track quality deterioration. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 16-32.	2.0	30
7	Statistical Modelling of Wear and Damage Trajectories of Railway Wheelsets. Quality and Reliability Engineering International, 2016, 32, 2909-2923.	2.3	26
8	Unplanned-maintenance needs related to rail track geometry. Proceedings of the Institution of Civil Engineers: Transport, 2014, 167, 400-410.	0.6	23
9	Exploring Different Alert Limit Strategies in the Maintenance of Railway Track Geometry. Journal of Transportation Engineering, 2016, 142, .	0.9	19
10	Maintenance scheduling within rolling stock planning in railway operations under uncertain maintenance durations. Journal of Rail Transport Planning and Management, 2020, 14, 100177.	1.4	19
11	A data-driven maintenance policy for railway wheelset based on survival analysis and Markov decision process. Quality and Reliability Engineering International, 2021, 37, 176-198.	2.3	18
12	Assessing the potential cost savings of introducing the maintenance option of "Economic Tyre Turning"™ in Great Britain railway wheelsets. Reliability Engineering and System Safety, 2017, 168, 317-325.	8.9	16
13	Multivariate statistical aggregation and dimensionality reduction techniques to improve monitoring and maintenance in railways: The wheelset component. Reliability Engineering and System Safety, 2021, 216, 107932.	8.9	14
14	Optimizing Maintenance Decision in Rails: A Markov Decision Process Approach. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.7	13
15	Reliability and availability assessment of railway locomotive bogies under correlated failures. Engineering Failure Analysis, 2022, 135, 106104.	4.0	10
16	Optimizing maintenance decisions in railway wheelsets: A Markov decision process approach. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 285-300.	0.7	9
17	A multivariate statistical representation of railway track irregularities using ARMA models. Vehicle System Dynamics, 2022, 60, 2494-2510.	3.7	9
18	Executive functions and insight in OCD: a comparative study. BMC Psychiatry, 2021, 21, 216.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Assessing the efficiency of maintenance operators: A case study of turning railway wheelsets on an under-floor wheel lathe. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2017, 231, 155-163.	0.7	8
20	Simultaneous scheduling of maintenance crew and maintenance tasks in bus operating companies: a case study. Journal of Quality in Maintenance Engineering, 2022, 28, 506-532.	1.7	6
21	Assessing the performance of different devices in railway wheelset inspection. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108145.	5.0	5
22	Designing aviation networks under Public Service Obligations (PSO): A case study in Greece. Journal of Air Transport Management, 2021, 93, 102042.	4.5	5
23	Using expert judgement techniques to assess reliability for long service-life components: An application to railway wheelsets. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 879-892.	0.7	5
24	Poor insight in obsessive compulsive disorder (OCD): Associations with empathic concern and emotion recognition. Psychiatry Research, 2021, 304, 114129.	3.3	5
25	Combining wavelet analysis of track irregularities and vehicle dynamics simulations to assess derailment risks. Vehicle System Dynamics, 2023, 61, 150-176.	3.7	5
26	Assessing Temporary Speed Restrictions and Associated Unavailability Costs in Railway Infrastructure. International Journal of Civil Engineering, 2018, 16, 219-228.	2.0	4
27	Plasma BDNF and insight in OCD: a promising path for future research. Acta Neuropsychiatrica, 2021, 33, 277-279.	2.1	3
28	Application of wavestrapping statistical technique to estimate an extreme value in train aerodynamics. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 175, 419-427.	3.9	2
29	Distributed Multimodal Journey Planner Based on Mashup of Individual Planners's APIs. Communications in Computer and Information Science, 2017, , 307-314.	0.5	1
30	Visual Analogue Score for Urinary Symptoms's VASUS, validation of a visual scale for lower urinary tract symptoms (LUTS) in an African country. World Journal of Urology, 2021, 39, 4191-4197.	2.2	1
31	Assessing Wear Evolutions in Railway Wheelsets Using a Survival Modeling Approach. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2021, 7, .	1.1	1
32	Scheduling Maintenance Technicians in a Railway Depot. , 2021, , .		0