LuÃs Andrade Ferreira

List of Publications by Year
in descending order

		933447	888059
30 papers	300 citations	10 h-index	17 g-index
31 all docs	31 docs citations	31 times ranked	300 citing authors

#	Article	IF	Citations
1	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1105-1115.	3.1	37
2	Condition Monitoring with Prediction Based on Diesel Engine Oil Analysis: A Case Study for Urban Buses. Actuators, 2019, 8, 14.	2.3	36
3	Unmanned aerial vehicle safety assessment modelling through petri Nets. Reliability Engineering and System Safety, 2017, 167, 383-393.	8.9	34
4	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1116-1128.	3.1	30
5	Parameter estimation for Weibull distribution with right censored data using EM algorithm. Eksploatacja I Niezawodnosc, 2017, 19, 310-315.	2.0	24
6	Application of Predictive Maintenance Concepts Using Artificial Intelligence Tools. Applied Sciences (Switzerland), 2021, 11, 18.	2.5	24
7	A study on the effects of dented surfaces on rolling contact fatigue. International Journal of Fatigue, 2008, 30, 1997-2008.	5.7	23
8	Influence of grease composition on rolling contact wear: Experimental study. Tribology International, 2009, 42, 569-574.	5.9	21
9	Dimensioning reserve bus fleet using life cycle cost models and condition based/predictive maintenance: a case study. Public Transport, 2018, 10, 169-190.	2.7	11
10	An integrated econometric model for bus replacement and determination of reserve fleet size based on predictive maintenance. Eksploatacja I Niezawodnosc, 2017, 19, 358-368.	2.0	11
11	Availability of fire pumping systems under periodic inspection. Journal of Building Engineering, 2016, 8, 285-291.	3.4	7
12	Fatigue crack propagation behavior in railway steels. International Journal of Structural Integrity, 2013, 4, 487-500.	3.3	6
13	Establishment of an initial maintenance program for UAVs based on reliability principles. Aircraft Engineering and Aerospace Technology, 2017, 89, 66-75.	1.2	5
14	Thermal and non-Newtonian analysis of EHD line contacts. Tribology Series, 1995, , 229-247.	0.1	4
15	Maintenance of fire sprinkler systems based on the dynamic assessment of its condition. Process Safety Progress, 2016, 35, 84-91.	1.0	4
16	Establishment of optimal physical assets inspection frequency based on risk principles. Eksploatacja I Niezawodnosc, 2015, 17, 243-249.	2.0	4
17	X-Ray Diffraction Residual Stress Measurements for Assessment of Rolling Contact Fatigue Behaviour of Railway Steels. Advanced Materials Research, 2014, 996, 782-787.	0.3	3
18	Economic life cycle of the bus fleet: a case study. International Journal of Heavy Vehicle Systems, 2019, 26, 31.	0.2	3

#	Article	IF	Citations
19	Time replacement optimization models for urban transportation buses with indexation to fleet reserve. , 2014, , 41-48.		3
20	RESERVE FLEET INDEXED TO EXOGENOUS COST VARIABLES. Transport, 2019, 34, 437-454.	1.2	3
21	Journal bearings optimization for mass balancing systems used in internal combustion engines. Industrial Lubrication and Tribology, 2006, 58, 295-302.	1.3	2
22	Application of the Dang Van Fatigue Criterion to the Rail/Wheel Contact Problem. Materials Science Forum, 2010, 636-637, 1178-1185.	0.3	2
23	Paper III(iii) A contribution to the study of shear rheology of grease. Tribology Series, 1987, , 65-71.	0.1	1
24	Wear and Surface Residual Stress Evolution on Twin-Disc Tests of Rail/Wheel Steels. Materials Science Forum, 0, 768-769, 707-713.	0.3	1
25	The Dang Van Criterion for Fatigue Design. Materials Science Forum, 2012, 730-732, 555-560.	0.3	0
26	Decision Making in Maintainability of High Risk Industrial Equipment. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 227-237.	0.5	0
27	Reliability database for unmanned aerial vehicles based on morphological analysis. Aeronautical Journal, 2016, 120, 1262-1274.	1.6	0
28	The algorithm construction for randomness with censored data in simulation studies in reliability. , 2017, , .		0
29	Electric Motors Maintenance Planning From Its Operating Variables. Management Systems in Production Engineering, 2017, 25, 205-216.	1.1	0
30	RCM 3 Methodology Application to Armored Military Vehicle Cooling System. U Porto Journal of Engineering, 2021, 7, 46-60.	0.4	0