José Torres Farinha

List of Publications by Year
in descending order

46	477	759233	752698
papers	citations	12	20
		h-index	g-index

48	48	48	241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An improved risk and reliability framework-based maintenance planning for food processing systems. Quality Technology and Quantitative Management, 2023, 20, 256-278.	1.9	7
2	Sustainable Food Production: An Intelligent Fault Diagnosis Framework for Analyzing the Risk of Critical Processes. Sustainability, 2022, 14, 1083.	3.2	10
3	Stochastic versus Fuzzy Models—A Discussion Centered on the Reliability of an Electrical Power Supply System in a Large European Hospital. Energies, 2022, 15, 1024.	3.1	3
4	Short and long forecast to implement predictive maintenance in a pulp industry. Eksploatacja I Niezawodnosc, 2022, 24, 33-41.	2.0	10
5	A comparative study of statistical and soft computing techniques for reliability prediction of automotive manufacturing. Applied Soft Computing Journal, 2021, 98, 106738.	7.2	35
6	An Integrated Model for Dimensioning the Reserve Fleet based on the Maintenance Policy. WSEAS Transactions on Systems and Control, 2021, 16, 43-65.	0.8	4
7	Predictive Maintenance Tools – A Global Survey. WSEAS Transactions on Systems and Control, 2021, 16, 96-109.	0.8	7
8	Contributions of Petri Nets to the Reliability and Availability of an Electrical Power System in a Big European Hospital - A Case Study. WSEAS Transactions on Systems and Control, 2021, 16, 21-42.	0.8	4
9	Increasing the Reliability of an Electrical Power System in a Big European Hospital through the Petri Nets and Fuzzy Inference System Mamdani Modelling. Applied Sciences (Switzerland), 2021, 11, 2604.	2.5	3
10	Measuring the production performance indicators for food processing industry. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108394.	5.0	9
11	Augmented Reality Maintenance Assistant Using YOLOv5. Applied Sciences (Switzerland), 2021, 11, 4758.	2.5	68
12	Anticipating Future Behavior of an Industrial Press Using LSTM Networks. Applied Sciences (Switzerland), 2021, 11, 6101.	2.5	20
13	Maintenance Prediction through Sensing Using Hidden Markov Models—A Case Study. Applied Sciences (Switzerland), 2021, 11, 7685.	2.5	13
14	Optimizing the Life Cycle of Physical Assets through an Integrated Life Cycle Assessment Method. Energies, 2021, 14, 6128.	3.1	10
15	Comparing LSTM and GRU Models to Predict the Condition of a Pulp Paper Press. Energies, 2021, 14, 6958.	3.1	44
16	An Integrated Fuzzy Fault Tree Model with Bayesian Network-Based Maintenance Optimization of Complex Equipment in Automotive Manufacturing. Energies, 2021, 14, 7758.	3.1	12
17	Development of a risk-based maintenance decision making approach for automotive production line. International Journal of Systems Assurance Engineering and Management, 2020, 11, 236-251.	2.4	13
18	Wind Farm and Resource Datasets: A Comprehensive Survey and Overview. Energies, 2020, 13, 4702.	3.1	21

#	Article	IF	Citations
19	Production Optimization versus Asset Availability – a Review. WSEAS Transactions on Systems and Control, 2020, 15, 320-332.	0.8	7
20	Calibration and Certification of Industrial Sensors – a Global Review. WSEAS Transactions on Systems and Control, 2020, 15, 394-416.	0.8	14
21	Life Cycle Cost versus Life Cycle Investment – A new Approach. WSEAS Transactions on Systems and Control, 2020, 15, 743-753.	0.8	5
22	Maintenance of Electromedicine Equipment: A Case Study Based on Outsourcing. , 2019, , .		1
23	Condition Monitoring with Prediction Based on Diesel Engine Oil Analysis: A Case Study for Urban Buses. Actuators, 2019, 8, 14.	2.3	36
24	Economic life cycle of the bus fleet: a case study. International Journal of Heavy Vehicle Systems, 2019, 26, 31.	0.2	3
25	Predicting condition based on oil analysis – A case study. Tribology International, 2019, 135, 65-74.	5.9	31
26	Economic life cycle of the bus fleet: a case study. International Journal of Heavy Vehicle Systems, 2019, 26, 31.	0.2	2
27	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
28	The State of the Art of Hidden Markov Models for Predictive Maintenance of Diesel Engines. Quality and Reliability Engineering International, 2017, 33, 2765-2779.	2.3	17
29	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
30	Electric Motors Maintenance Planning From Its Operating Variables. Management Systems in Production Engineering, 2017, 25, 205-216.	1.1	0
31	Integrating low cost platforms on electrical power systems for control and condition monitoring. , 2016, , .		2
32	Augmented reality system for maintenance of high-voltage systems. , 2016, , .		3
33	Maintenance planning in wind farms with allocation of teams using genetic algorithms. IEEE Latin America Transactions, 2014, 12, 1062-1070.	1.6	8
34	Augmented reality and the future of maintenance. , 2014, , 81-88.		8
35	Maintenance strategies to reduce downtime due to machine positional errors. , 2014, , 111-118.		8
36	Time replacement optimization models for urban transportation buses with indexation to fleet reserve. , 2014, , 41-48.		3

#	Article	IF	Citations
37	Mobile Applications and its Potential to Maintenance. , 2014, , 103-110.		0
38	Maintenance management in Web ASP.NET MVC applications. , 2014, , 95-101.		1
39	Incorporating carbon penalties into supplier selection in the supply chain. , 2014, , 213-220.		0
40	Predictive maintenance!: to do or let die. , 2014, , 35-39.		0
41	Individual Electronic Pill Dispenser - ePillbox. International Journal on Engineering Applications, 2014, 2, 142.	0.1	0
42	The Convergence between Predictive Maintenance and Augmented Reality to Aid Renewable Energy Equipment Availability. International Journal on Engineering Applications, 2014, 2, 152.	0.1	1
43	Certification of maintenance providers: a competitive advantage. Journal of Quality in Maintenance Engineering, 2013, 19, 144-156.	1.7	3
44	On-condition maintenance for wind turbines. , 2009, , .		4
45	Know-How Retention and Divulgation with a Fuzzy CBR System. , 2007, , .		0
46	Know-How Retention and Divulgation with a Fuzzy CBR System. , 2007, , .		0