

Aitor Arnaiz

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

396
citations

932766

10
h-index

794141

19
g-index

33
all docs

33
docs citations

33
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Ball bearing damage detection using traditional signal processing algorithms. IEEE Instrumentation and Measurement Magazine, 2013, 16, 20-25.	1.2	66
2	Application of Bayesian networks in prognostics for a new Integrated Vehicle Health Management concept. Expert Systems With Applications, 2012, 39, 6402-6418.	4.4	51
3	Motor current signature analysis for gearbox condition monitoring under transient speeds using wavelet analysis and dual-level time synchronous averaging. Mechanical Systems and Signal Processing, 2017, 94, 73-84.	4.4	51
4	Intelligent automation systems for predictive maintenance: A case study. Robotics and Computer-Integrated Manufacturing, 2006, 22, 543-549.	6.1	42
5	Cider fermentation process monitoring by Vis-NIR sensor system and chemometrics. Food Chemistry, 2017, 221, 100-106.	4.2	23
6	The transition towards service-oriented business models. International Journal of Engineering Business Management, 2018, 10, 184797901875446.	2.1	19
7	e-Maintenance: trends, challenges and opportunities for modern industry. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 453-458.	0.4	15
8	Dynamic condition monitoring method based on dimensionality reduction techniques for data-limited industrial environments. Computers in Industry, 2019, 112, 103114.	5.7	14
9	Continuous Improvement on Information and On-line Maintenance Technologies for Increased Cost-effectiveness. Procedia CIRP, 2013, 11, 193-198.	1.0	12
10	Simulation of predictive maintenance strategies for cost-effectiveness analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 2242-2250.	1.5	12
11	Economical and technological prospects for e-maintenance. International Journal of Systems Assurance Engineering and Management, 2010, 1, 201-209.	1.5	10
12	Information and Communication Technologies Within E-maintenance. , 2010, , 39-60.		10
13	Semantic prediction assistant approach applied to energy efficiency in Tertiary buildings. Semantic Web, 2018, 9, 735-762.	1.1	9
14	Damping of Magnetoelastic Resonance for Oil Viscosity Sensing. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	9
15	Ontologies for observations and actuations in buildings: A survey. Semantic Web, 2020, 11, 593-621.	1.1	9
16	Motor current signature analysis for gearbox fault diagnosis in transient speed regimes. , 2015, , .		7
17	Towards a Semantic Outlier Detection Framework in Wireless Sensor Networks. , 2017, , .		5
18	Hybrid modelling for linear actuator diagnosis in absence of faulty data records. Computers in Industry, 2020, 123, 103339.	5.7	5

#	ARTICLE	IF	CITATIONS
19	EEPSA as a core ontology for energy efficiency and thermal comfort in buildings. Applied Ontology, 2021, 16, 193-228.	1.0	5
20	Advanced maintenance as enabler for service oriented business models (BM) -An application in forklift trucks. IFAC-PapersOnLine, 2016, 49, 144-149.	0.5	4
21	Evaluation Methodology for Distributed Data Usage Control Solutions. , 2020, , .		4
22	Comparison of Automated Feature Selection and Reduction methods on the Condition Monitoring issue. Procedia Manufacturing, 2018, 16, 2-9.	1.9	3
23	Data Mining for Burr Detection (in the Drilling Process). Lecture Notes in Computer Science, 2009, , 1264-1273.	1.0	3
24	New Method Proposed for the Assessment of Lubricant Biodegradability during its Use. Journal of Near Infrared Spectroscopy, 2008, 16, 291-296.	0.8	2
25	Prognostics applied to aircraft line maintenance: Brake wear prediction based on Bayesian Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 146-151.	0.4	1
26	A probabilistic model for cognitive-affective user state awareness. , 2013, , .		1
27	A multi-stage optimization algorithm for standardization of maintenance plans. IFAC-PapersOnLine, 2018, 51, 520-524.	0.5	1
28	Web Services System for Distributed Technology Upgrade Within an e-Maintenance Framework. , 2007, , 149-157.		1
29	A Hybrid Optimization Algorithm for Standardization of Maintenance Plans. Studies in Computational Intelligence, 2018, , 135-144.	0.7	0
30	Chapter 5. Two ODPs Towards the Notion of Influenceable Features of Interest. Studies on the Semantic Web, 2021, , .	0.3	0
31	Sentiment Analysis Techniques for Positive Language Development. Lecture Notes in Computer Science, 2014, , 172-183.	1.0	0